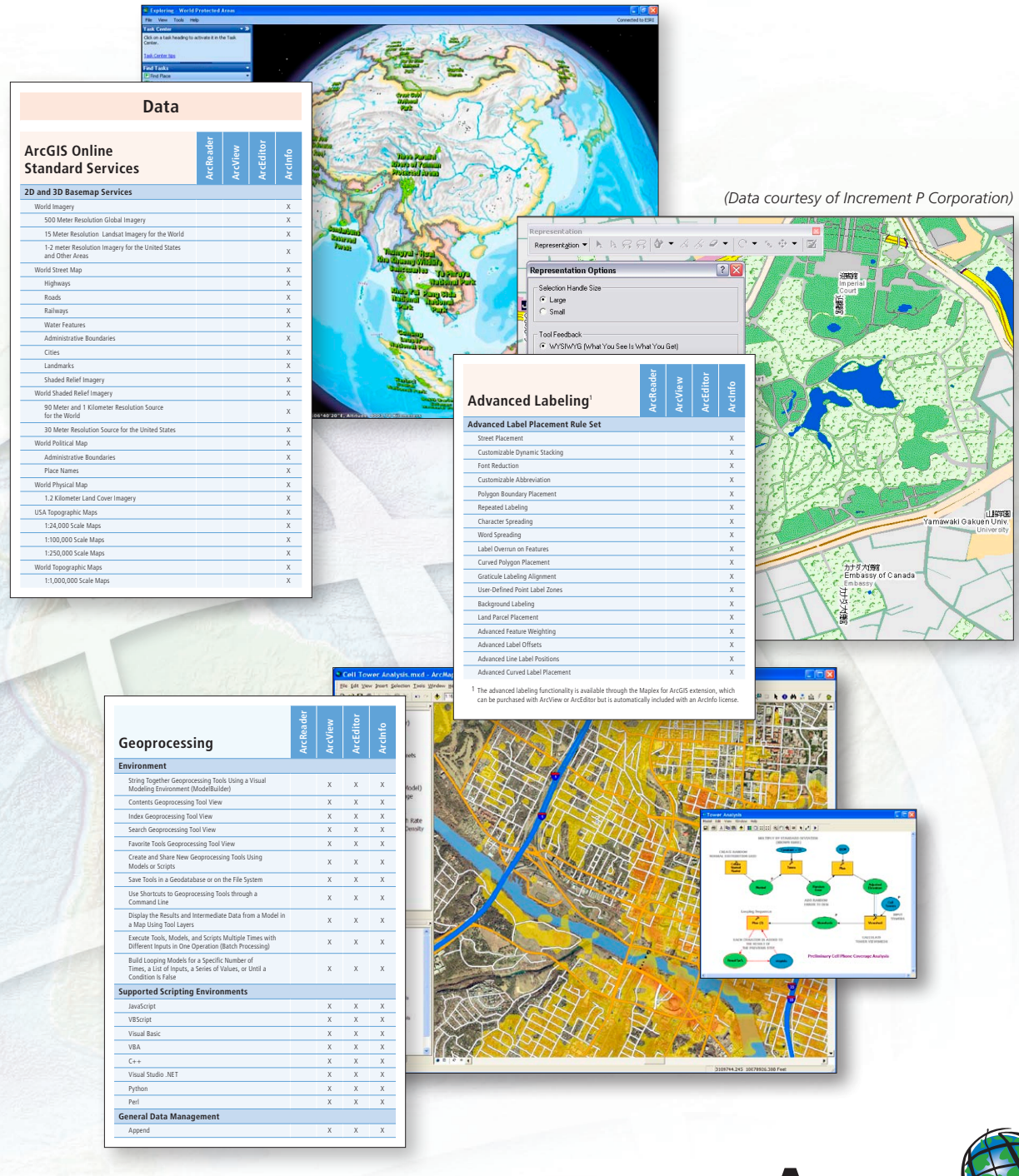
ArcGIS® Desktop 9.3

Functionality Matrix



(Data courtesy of Increment P Corporation)

Data

ArcGIS Online Standard Services	ArcReader	ArcView	ArcEditor	ArcInfo
2D and 3D Basemap Services				
World Imagery				X
500 Meter Resolution Global Imagery				X
15 Meter Resolution Landsat Imagery for the World				X
1-2 meter Resolution Imagery for the United States and Other Areas				X
World Street Map				X
Highways				X
Roads				X
Railways				X
Water Features				X
Administrative Boundaries				X
Cities				X
Landmarks				X
Shaded Relief Imagery				X
World Shaded Relief Imagery				X
90 Meter and 1 Kilometer Resolution Source for the World				X
30 Meter Resolution Source for the United States				X
World Political Map				X
Administrative Boundaries				X
Place Names				X
World Physical Map				X
1.2 Kilometer Land Cover Imagery				X
USA Topographic Maps				X
1:24,000 Scale Maps				X
1:100,000 Scale Maps				X
1:250,000 Scale Maps				X
World Topographic Maps				X
1:1,000,000 Scale Maps				X

Advanced Labeling[1]

Advanced Label Placement Rule Set	ArcReader	ArcView	ArcEditor	ArcInfo
Street Placement				X
Customizable Dynamic Stacking				X
Font Reduction				X
Customizable Abbreviation				X
Polygon Boundary Placement				X
Repeated Labeling				X
Character Spreading				X
Word Spreading				X
Label Overrun on Features				X
Curved Polygon Placement				X
Graticule Labeling Alignment				X
User-Defined Point Label Zones				X
Background Labeling				X
Land Parcel Placement				X
Advanced Feature Weighting				X
Advanced Label Offsets				X
Advanced Line Label Positions				X
Advanced Curved Label Placement				X

[1] The advanced labeling functionality is available through the Maplex for ArcGIS extension, which can be purchased with ArcView or ArcEditor but is automatically included with an ArcInfo license.

Geoprocessing

	ArcReader	ArcView	ArcEditor	ArcInfo
Environment				
String Together Geoprocessing Tools Using a Visual Modeling Environment (ModelBuilder)		X	X	X
Contents Geoprocessing Tool View		X	X	X
Index Geoprocessing Tool View		X	X	X
Search Geoprocessing Tool View		X	X	X
Favorite Tools Geoprocessing Tool View		X	X	X
Create and Share New Geoprocessing Tools Using Models or Scripts		X	X	X
Save Tools in a Geodatabase or on the File System		X	X	X
Use Shortcuts to Geoprocessing Tools through a Command Line		X	X	X
Display the Results and Intermediate Data from a Model in a Map Using Tool Layers		X	X	X
Execute Tools, Models, and Scripts Multiple Times with Different Inputs in One Operation (Batch Processing)		X	X	X
Build Looping Models for a Specific Number of Times, a List of Inputs, a Series of Values, or Until a Condition Is False		X	X	X
Supported Scripting Environments				
JavaScript		X	X	X
VBScript		X	X	X
Visual Basic		X	X	X
VBA		X	X	X
C++		X	X	X
Visual Studio .NET		X	X	X
Python		X	X	X
Perl		X	X	X
General Data Management				
Append		X	X	X

ArcGIS™ ESRI

ESRI®

ArcGIS® Desktop 9.3 Functionality Matrix

Mapping

Map Interaction

	ArcReader™	ArcView®	ArcEditor™	ArcInfo®
Map Navigation				
Pan and Zoom the Map	X	X	X	X
Find an X,Y (Latitude-Longitude) Location on a Map	X	X	X	X
Zoom to the Full Study Area of the Map	X	X	X	X
Zoom to the Extent of a Layer	X	X	X	X
Zoom to the Visible Scale of a Layer	X	X	X	X
Zoom to a Specific Map Scale	X	X	X	X
Use Spatial Bookmarks	X	X	X	X
Access Hyperlinks	X	X	X	X
Use Dynamic MapTips	X	X	X	X
Use Magnification Window	X	X	X	X
Interactively Reveal Areas beneath a Specific Layer (Swipe)	X	X	X	X
Save and Manage Locations for Use with Multiple Maps (My Places)	X	X	X	X
Create, Organize, and Share Spatial Bookmarks		X	X	X
Pan and Zoom the Map with the Mouse Wheel		X	X	X
Pan and Zoom to Selected Features		X	X	X
Switch Any Tool to a Pan/Zoom Tool Using Hot Keys		X	X	X
Create Hyperlink to External Application, Macro, or URL		X	X	X
Use Overview Window		X	X	X
Use Viewer Windows for Displaying Different Parts of a Map		X	X	X
Use Multiple Viewer Windows for Separate Data Frames		X	X	X
Queries				
Identify Features in the Map	X	X	X	X
Interactively Measure Distances and Areas	X	X	X	X
Find Features in the Map	X	X	X	X
Find Places Using the ESRI Online Place Finder	X	X	X	X
Find by Address, including custom locators	X	X	X	X
Show Related Data with Field Properties	X	X	X	X
Select Data by Location		X	X	X
Select Data by Attribute		X	X	X
Interactively Select/Unselect Features		X	X	X
Unselect All, Switch the Selection, or Select All Features		X	X	X
Access Layer Properties from Identify Dialog Box		X	X	X
Tables				
Flash, Zoom to, Pan to, and Identify Individual Features in a Map Based on a Record in the Attribute Table		X	X	X
Interactively Highlight Selected Records/Features		X	X	X
Zoom to and Unselect Highlighted Records/Features		X	X	X
Interactively Add and Remove Records from a Selection		X	X	X
Copy Selected Records for Pasting into Other Applications		X	X	X
Turn Fields Off and On and Change Field Order and Size		X	X	X
Modify a Table's Appearance by Changing Cell and Field Size, Font, and Color		X	X	X
Use Field Properties of Joined Tables		X	X	X
See Properties of Joins and Relates from Table Properties		X	X	X
Sort a Table by Multiple Fields		X	X	X
Graphs				
Plot Data from a Variety of Datasets in a Single Graph		X	X	X
Create 2D and 3D Graphs		X	X	X
Overlay Multiple Graphs in a Single Graph		X	X	X
Selections Automatically Propagate between Map, Table, and Graph		X	X	X
Graph Types				
Horizontal and Vertical Bar, Line, and Area		X	X	X
Histogram Bar		X	X	X
ScatterPlot		X	X	X
ScatterPlot Matrix		X	X	X
Box Plot		X	X	X
Pie		X	X	X
USA Routing (StreetMap™ USA)				
Use Nationwide USA Point-to-Point Street Routing		X	X	X
Add Route Stops from Addresses and Existing Features and Interactively Add Stops on the Map		X	X	X
Add Route Barriers from Addresses and Existing Features and Interactively Add Stops on the Map		X	X	X
Snap Stops to Closest Address Using an Address Locator		X	X	X
Customize the Route for Quickest or Shortest Route		X	X	X
Reorder the Stops to Find the Fastest Route between Unordered Stops		X	X	X
Modify Speed and Restriction Attributes of the Routing Service		X	X	X
Specify Trip Planning Timing (Start, Stop, Breaks, etc.)		X	X	X
Generate HTML Directions Using an Overview Map, Turn-by-Turn Maps, and Vicinity Maps		X	X	X

Map Display

	ArcReader	ArcView	ArcEditor	ArcInfo
General Mapping				
Visualize the Map Page or a Specific Set of Data	X	X	X	X
Perform On-the-Fly Projection of All Data	X	X	X	X
Enable Full Cartographic Visualization of Any PMF File	X	X	X	X
Interactively Set Percent Transparency for All Data Layers	X	X	X	X
Legends Honor Layer Transparency	X	X	X	X
Set a Minimum and Maximum Scale to Display Data		X	X	X
Create Custom Relative Scales		X	X	X
Clip the Map Display to a Feature or Graphic		X	X	X
Create Graticules, Measured Grids, and Reference Grids		X	X	X
Create Extent Rectangles for Other Data (Reference and Overview Maps)		X	X	X
Create Variable Depth Layer Masking		X	X	X
Convert Graphics (Point, Line, Polygon, Text) to Features		X	X	X
Tabular Data				
Create On-the-Fly Dynamic Joins between Different Databases		X	X	X
Create and Use Many-to-One and One-to-Many Relationships		X	X	X
Create Statistics		X	X	X
Summarize Data		X	X	X
Interactively Change the Visibility of Fields		X	X	X
Simplify Field Names with Field Aliases		X	X	X
Create Charts and Reports		X	X	X
Build Detailed Reports Using Crystal Reports Wizard		X	X	X
Sort by Multiple Attributes		X	X	X
Connect to and Use Remote Database Tables		X	X	X
Display Tabular X,Y Point Data from a File or Table on a Map		X	X	X
Vector Data Display				
Control Selection Color for Each Dataset		X	X	X
Create MapTips		X	X	X
Fix Symbology to a Specific Map Scale		X	X	X
Interactively Exclude Specific Features from the Display		X	X	X
Control Which Features to Display Using a SQL Query		X	X	X
Control Which Data Fields Are Accessible from the Map		X	X	X
Thematic Vector Data Classifications				
Single Symbol		X	X	X
Unique Value		X	X	X
Match to Predefined Style		X	X	X
Graduated Colors or Symbols		X	X	X
Proportional Symbols		X	X	X
Dot Density Mapping		X	X	X
Chart Mapping Including Pie and Bar Chart		X	X	X
Bivariate and Multivariate Data Rendering		X	X	X
Interactive Histogram for Data Classification		X	X	X
Symbology				
Use Interactive Symbol Composer		X	X	X
Control Symbol Draw Order		X	X	X
Access More Than 18,000 Predefined Symbols		X	X	X
Use Halos and Advanced Background Symbols		X	X	X
Define Symbols for Fill, Lines, Outlines, and Points		X	X	X
Support User-Imported Graphic Fill Patterns		X	X	X
Surface Display				
Faces, Nodes, and Triangles		X	X	X
Slope		X	X	X
Hillshade		X	X	X
Aspect		X	X	X
Elevation		X	X	X
Sun Position		X	X	X
Raster Data Display				
Display Multiband Images by Assigning Color Values to the Bands		X	X	X
Use Individual Band Settings		X	X	X
Display Each Unique Value with a Discrete Color		X	X	X
Display Image Values Using a Color Map		X	X	X
Display Multiband Raster Data Using Color Values		X	X	X
Save Current Display Statistics		X	X	X
Control Raster Display Contrast and Brightness		X	X	X
Orthorectify On the Fly		X	X	X
On-the-Fly Panchromatic Sharpening		X	X	X
On-the-Fly Hillshade Effect for Elevation Data		X	X	X
Display Raster Catalog Tiles as a Time Series		X	X	X
Import Renderer or Statistics from Another Layer		X	X	X
Display Raster Values while Navigating the Map with MapTips		X	X	X
Display Raster Resolution in Map Table of Contents		X	X	X
Zoom To Nearest ArcGIS Map Service Cache Resolution		X	X	X
Raster Display: Gradual Color Ramp Data-Stretching Algorithms				
Standard Deviations		X	X	X
Histogram Equalize		X	X	X
Minimum-Maximum		X	X	X
Custom		X	X	X
None		X	X	X
Raster Display Statistics				
Based on the Entire Raster Dataset		X	X	X
Based on the Display Extent		X	X	X
Based on a Custom Extent		X	X	X
Raster Display Resample Methods				
Nearest Neighbor		X	X	X
Bilinear Interpolation		X	X	X
Cubic Convolution		X	X	X
Majority		X	X	X
Raster Display Classification Methods				
Equal Interval		X	X	X
Define Interval		X	X	X
Quantile		X	X	X
Natural Breaks (Jenks)		X	X	X
Standard Deviation		X	X	X
Raster Catalog Footprint Display				
Footprints Only		X	X	X
Selected Footprints		X	X	X
Raster Tools				
Pixel Inspector		X	X	X
Animation				
Create Time Series, Layer Transition, or Map Navigation Animation		X	X	X
Animate Data Change with Tabular (Charts), Vector, Raster Catalog, and netCDF Data		X	X	X

Page Layout and Printing

	ArcReader	ArcView	ArcEditor	ArcInfo
Map Elements				
Title		X	X	X
Text		X	X	X
Neatlines		X	X	X
Legend		X	X	X
North Arrows		X	X	X
Scale Bar		X	X	X
Scale Text		X	X	X
Pictures		X	X	X
OLE Objects		X	X	X
Measured Reference Grid		X	X	X
Graticules		X	X	X
Export Formats				
Enhanced Metafile (EMF)		X	X	X
Windows Bitmap (BMP)		X	X	X
Encapsulated PostScript (EPS)		X	X	X
Tagged Image File Format (TIFF)		X	X	X
Portable Document Format (PDF)		X	X	X
Joint Photographics Experts Group (JPEG)		X	X	X
Portable Network Graphics (PNG)		X	X	X
Graphic Interchange Format (GIF)		X	X	X
Scalable Vector Graphics (SVG)		X	X	X
Adobe Illustrator (AI)		X	X	X
PostScript Color Separates (with Page Marks)		X	X	X
Print with the Following Print Drivers				
Windows	X	X	X	X
PostScript		X	X	X
ArcPress™ HP RTL (RGB, CMYK, and Monochrome)		X	X	X
ArcPress HP PCL (RGB, CMYK, and Monochrome)		X	X	X
Process Print Jobs on the Local Machine for Faster Printing		X	X	X

Map Text

	ArcReader	ArcView	ArcEditor	ArcInfo
Labels				
Creating Dynamic On-the-Fly Labels		X	X	X
Automatic Conflict Detection and Label Placement		X	X	X
Label Placement Rules for Setting Priority between Layers		X	X	X
Placement Rules for Setting Importance of Labels vs. Features		X	X	X
Many Predefined Label Styles (e.g., Highway Shields)		X	X	X
Labels Rotate from an Attribute Field		X	X	X
Multiple Dynamic Labeling Schemes Built for Each Map Layer		X	X	X
Control Which Features in a Layer Display Labels		X	X	X
Advanced Text Formatting Tags for Dynamic Label Symbology		X	X	X
Annotation				
Use Interactive Label Tools (Callout, Label, Spline, and Paragraph Text)		X	X	X
Create Text Annotation Data from Labels		X	X	X
Annotation Editing				
Interactively Move, Rotate, and Scale Annotation		X	X	X
Add Horizontal or Angled Annotation		X	X	X
Add Annotation with a Leader Line		X	X	X
Create Annotation That Follows a Curved Line or the Shape of an Existing Feature		X	X	X
Dynamically Pull Annotation Values from Layers in the Map		X	X	X
Interactively Manage Annotation That Could Not Be Placed during Initial Annotation Creation		X	X	X
Edit Each Word in an Annotation String Independently		X	X	X
Interactively Stack and Unstack Annotation		X	X	X
Flip Annotation Strings		X	X	X
Interactively Modify the Curvature and Orientation of a Line		X	X	X
Edit the Symbology of a Single Annotation Feature or a Group of Annotation Features Simultaneously		X	X	X
Annotation and Dimensions Management				
Store Annotation in a Geodatabase or a Map Document		X	X	X
Create Annotation Subclasses		X	X	X
Create Aligned Dimensions Displaying the True Distance between Points			X	X
Create Linear Dimensions Displaying Horizontal, Vertical, or an Angled Distance between Points			X	X
Create and Edit Feature-Linked Annotation Feature Classes in a Geodatabase			X	X

Advanced Labeling[1]

	ArcReader	ArcView	ArcEditor	ArcInfo
Advanced Label Placement Rule Set				
Street Placement				X
Customizable Dynamic Stacking				X
Font Reduction				X
Customizable Abbreviation				X
Polygon Boundary Placement				X
Repeated Labeling				X
Character Spreading				X
Word Spreading				X
Label Overrun on Features				X
Curved Polygon Placement				X
Graticule Labeling Alignment				X
User-Defined Point Label Zones				X
Background Labeling				X
Land Parcel Placement				X
Advanced Feature Weighting				X
Advanced Label Offsets				X
Advanced Line Label Positions				X
Advanced Curved Label Placement				X
Watermark-Style Background Labels				X
Geologic Strike and Dip Symbology				X
Asian Vertical Text Metric Support				X
Polygon Hole Avoidance for Callouts				X
Polygon Zone (Internal, External) Placement				X
Long Boundary Label Repetition				X
Logically Continuous Feature (Street, River, Contour) Placements				X

[1] The advanced labeling functionality is available through the Maplex™ for ArcGIS® extension, which can be purchased with ArcView or ArcEditor but is automatically included with an ArcInfo license.

Advanced Cartography

	ArcReader	ArcView	ArcEditor	ArcInfo
Cartographic Editing Tools				
Store Multiple Representations of GIS Features in a Geodatabase for Use in a Variety of Map Products			X	X
Create Rules That Dynamically Manipulate the Geometry and Symbology of a Feature (Representation Rules)			X	X
Share Representation Rules through Style Files			X	X
Change the Shape or Symbology for a Single Feature without Changing the GIS Data It Represents			X	X
Define Feature Visibility and Transparency for Each Feature or Based on an Attribute			X	X
Mask Individual Features or Parts of Features without Masking All Features in a Layer			X	X
Dynamically Place Point Symbols along Lines or Polygons			X	X
Dynamically Modify the Geometry That Is Displayed for a Feature (Geometric Effects)			X	X
Point Geometric Effects				
Buffer			X	X
Radial from Point			X	X
Regular Polygon			X	X
Line Geometric Effects				
Add Control Points			X	X
Cut Curve			X	X
Dashes			X	X
Offset Curve			X	X
Reverse Curve			X	X
Rotate			X	X
Scale			X	X
Simplify			X	X
Smooth Curve			X	X
Wave			X	X
Buffer			X	X
Enclosing Polygon			X	X
Tapered Polygon			X	X
Polygon Geometric Effects				
Cut Curve			X	X
Dashes			X	X
Add Control Points			X	X
Buffer			X	X
Donut			X	X
Enclosing Polygon			X	X
Move			X	X
Offset Curve			X	X
Rotate			X	X
Scale			X	X
Simplify			X	X
Smooth Curve			X	X
Wave			X	X
Interactive Symbol Editing				
Use the Marker Editor to Edit the Characteristics of a Point Symbol			X	X
Edit the Entire Representation or a Small Portion of One or More Representations			X	X
Move an Entire Symbol			X	X
Move Line Symbols Parallel			X	X
Tool Dialog Boxes Accept Multiple Units of Measurement			X	X
Add, Delete, or Move Symbol Vertices			X	X
Modify the Geometric Effects of a Symbol: Line Width, Hatch Size			X	X
Move Linear Geometries Parallel			X	X
Reshape and Move a Feature to Align One Specified Point with Another (Warp)			X	X
Erase All or Part of a Symbol			X	X
Resize a Feature Symbol by Resizing Its Bounding Box			X	X
Resize a Feature and Its Geometric Effects Simultaneously Using a Ratio			X	X
Rotate Feature Symbols Interactively or by a Specific Angle			X	X
Orient a Symbol to a Specific Angle			X	X
Reshape Symbols with Bézier Curves			X	X
Specify Locations along a Symbol Where a Pattern Must Apply (Control Points)			X	X
WYSIWYG Feedback			X	X
Geoprocessing Graphic Quality				
Detect Graphic Conflict				X
Geoprocessing Masking Tools				
Cul-de-Sac Masks				X
Feature Outline Masks				X
Intersecting Layers Masks				X
Geoprocessing Representation Management				
Add Representation				X
Calculate Representation Rule				X
Drop Representation				X
Remove Override				X
Select Feature by Override				X
Set Layer Representation				X
Update Override				X
Geoprocessing Symbolization Refinement				
Align Marker to Stroke or Fill				X
Calculate Geodesic Angle				X
Calculate Line Caps				X
Calculate Polygon Main Angle				X
Create Overpass				X
Create Underpass				X
Disperse Markers				X
Set Representation Control Point at Intersect				X
Set Representation Control Point by Angle				X

Address Matching

	ArcReader	ArcView	ArcEditor	ArcInfo
Geocoding Tools				
Geocoding Toolbar for Locator Management and Use		X	X	X
Geocode Single or Batch Addresses		X	X	X
Real-Time Batch Geocoding Match Rate Feedback		X	X	X
Use Tools for Processing Result Sets, Including Custom Queries		X	X	X
Use ArcGIS Server for Server-Based Geocoding		X	X	X
Use Multiple Geocoding Locators per Data Source		X	X	X
Geocode Using Alternate Street Names, Intersection, or Place-Name Aliases		X	X	X
Aggregate Multiple Geocoding Locators into a Single Geocoding Locator (Composite Locator)		X	X	X
Distribute Geocoding Locators without the Reference Data		X	X	X
Address Inspector Finds Address by Map Click		X	X	X
Create Dynamic Features from Geocoded Locations			X	X
Data				
USA Locator for Nationwide Address Matching		X	X	X
Geoprocessing				
Create Address Locator		X	X	X
Geocode Addresses		X	X	X
Rebuild Address Locator		X	X	X
Rematch Addresses		X	X	X
Standardize Addresses		X	X	X

Data Support and Interoperability

Raster Data Support

	ArcReader	ArcView	ArcEditor	ArcInfo
Direct Read of Raster Data				
ARC Digitized Raster Graphics (ADRG)		X	X	X
Band Interleaved by Line (ESRI BIL), Band Interleaved by Pixel (ESRI BIP), or Band Sequential (ESRI BSQ)		X	X	X
Bitmap, Device Independent Bitmap (DIB) Format, or Microsoft Windows Bitmap		X	X	X
Compressed ARC Digitized Raster Graphics (CADRG)		X	X	X
Controlled Image Base (CIB)		X	X	X
Digital Geographic Information Exchange Standard (DIGEST), ARC Standard Raster Product (ASRP), or Universal Transverse Mercator (UTM)/Universal Polar Stereographic (UPS) Standard Raster Product (USRP)		X	X	X
Digital Terrain Elevation Data (DTED) Levels 0, 1, and 2		X	X	X
ENVI		X	X	X
ER Mapper's ECW		X	X	X
ERDAS 7.5 GIS, 7.5 LAN, and RAW		X	X	X
Hierarchical Data Format (HDF) –4, Including Subdatasets		X	X	X
Intergraph Raster Files: CIT™ Binary Data; COT™ Grayscale Data		X	X	X
Joint File Interchange Format (JFIF)		X	X	X
Multiresolution Seamless Image Database (MrSID Generations 2 and 3)		X	X	X
National Imagery Transmission Format (NITF), Including Subdatasets		X	X	X
Oracle Spatial GeoRaster		X	X	X
Portable Network Graphics		X	X	X
PCIDSK (PIX)[2]		X	X	X
PCRaster (MAP)[2]		X	X	X
United States Geological Survey (USGS) ASCII Digital Elevation Model (DEM)[2]		X	X	X
XPixMap (XPM)[2]		X	X	X
Direct Read and Write of Raster Data				
ERDAS IMAGINE		X	X	X
ESRI® GRID and GRID Stack		X	X	X
Geodatabase Raster		X[3]	X	X
Graphic Interchange Format		X	X	X
Joint Photographics Experts Group		X	X	X
JPEG 2000 (JP2)		X	X	X
Portable Network Graphics		X	X	X
Tagged Image File Format (GeoTIFF tags are supported.)		X	X	X
Oracle Spatial GeoRaster			X	X
Geodatabase Raster Management				
Create and Edit Raster Attribute Tables for All Supported Single Band Raster Formats		X[3]	X	X
Create and Manage Rasters in Personal and File Geodatabases		X	X	X
Compress Geodatabase Rasters with LZ77, JPEG, or JPEG 2000 Compression Algorithms		X[3]	X	X
Create and Manage Raster Data in a Multiuser Geodatabase			X	X

[2] These formats can be written to through programming with the ArcObjects™ API.

[3] ArcView can only create geodatabase rasters or raster attribute tables in personal or file geodatabases. ArcEditor and ArcInfo can create and manage geodatabase rasters in personal, file, and multiuser geodatabases.

Document and Data Support

	ArcReader	ArcView	ArcEditor	ArcInfo
Map and Symbology Files				
Read Published Map Files (from ArcGIS Publisher)	X	X	X	X
Create and Edit Map Documents (.mxd)		X	X	X
Save Layer Files (.lyr) and Map Documents (.mxd) in ArcGIS 9.1 or 8.3 Format		X	X	X
Use Map Templates (MXT) to Standardize Maps		X	X	X
Import ArcView 3.x APR and AVL Files		X	X	X
Direct Read of Vector and Raster Data				
Personal Geodatabase for Microsoft® Access™		X	X	X
File Geodatabase		X	X	X
Personal, Workgroup, and Enterprise Geodatabases		X	X	X
Shapefiles		X	X	X
ArcInfo Coverages		X	X	X
PC ARC/INFO® Coverages		X	X	X
Smart Data Compression (SDC) Data		X	X	X
Vector Product Format (VPF) Data		X	X	X
ArcWeb™ Services		X	X	X
ArcGIS Server Services		X	X	X
ArcIMS® Services		X	X	X
Geography Network™ Feature Service		X	X	X
Open Geospatial Consortium, Inc. (OGC), Web Coverage Service (WCS)		X	X	X
Open Geospatial Consortium, Inc. (OGC), Web Map Server (WMS)		X	X	X
OGC GML Simple Features Access[4]		X	X	X
OGC GML Simple Features Import/Export[4]		X	X	X
OGC GML Web Feature Service Access for Simple Features-Based Services[4]		X	X	X
Network Common Data Form (netCDF)		X	X	X
KML (ArcMap requires ArcGIS Data Interoperability extension, ArcGlobe reads directly)		X	X	X
Direct Editing of Vector Data				
Personal Geodatabase for Access Simple Features		X	X	X
File Geodatabase		X	X	X
Shapefiles		X	X	X
Personal, Workgroup, and Enterprise Geodatabases			X	X
ArcInfo Coverages				X
Direct Read of Other Data				
Geodatabase Terrains		X	X	X
Microsoft Excel Worksheets		X	X	X
ESRI TIN		X	X	X
dBASE (DBF)		X	X	X
Text (TXT)		X	X	X
ESRI INFO Files		X	X	X
OLE DB Connections		X	X	X
ODBC Connections		X	X	X
Microsoft Access		X	X	X
Coordinate Systems				
More than 650 Predefined Geographic Coordinate Systems		X	X	X
More than 2,750 Predefined Projected Coordinate Systems		X	X	X
More than 90 Predefined Vertical Coordinate Systems		X	X	X
Ability to Create and Use Custom Coordinate Systems		X	X	X

[4] These features require the installation of the ArcGIS Data Interoperability extension, but a license for this extension is not required.

CAD Support

	ArcReader	ArcView	ArcEditor	ArcInfo
CAD File Support				
Autodesk Drawing Exchange Format (DXF)		X	X	X
AutoCAD Drawing File (DWG)		X	X	X
MicroStation Design Files (DGN, etc.)		X	X	X
Mapping Specification for DWG—Import from CAD		X	X	X
Mapping Specification for DWG—Export to CAD				X
Direct Read of CAD Data				
Display CAD Features and Annotation Based on CAD File's Display Properties		X	X	X
Display Block Attributes and Tags as CAD Annotation Features		X	X	X
Display Entire CAD Drawing or Individual CAD Features by Geometric Type and Definition Query		X	X	X
Override CAD Symbology with Standard ArcGIS Display Tools		X	X	X
Control CAD Layer Visibility		X	X	X
Access CAD Entity Properties and Attributes through a CAD Feature Attribute Table		X	X	X
Directly Use CAD Data for Display, Query, Analysis, or Geoprocessing		X	X	X
Editing with CAD Data				
Copy and Paste CAD Features Directly into Other GIS Feature Classes		X	X	X
Snap to CAD Data while Editing		X	X	X
CAD Features Save Directly to GIS Feature Classes		X	X	X
Coordinate Systems				
Select and Save Coordinate System Definitions with CAD Data		X	X	X
Graphically Align CAD Data with Other GIS Data and Store the Transformation Definition (Georeferencing)		X	X	X
Geoprocessing—See Geoprocessing Conversion				

Application Framework

Application Customization

	ArcReader	ArcView	ArcEditor	ArcInfo
Application Look and Feel				
Dockable/Floating Toolbars		X	X	X
UNICODE Support for Multilanguage Attributes		X	X	X
Complies with Microsoft Windows Display Settings		X	X	X
Layer (.lyr) Files Registered in Windows to ArcGIS Applications		X	X	X
Customization				
Drag and Drop to Rearrange Tools/Toolbars		X	X	X
Create New Toolbars or Menus without Programming		X	X	X
Create and Save Macros Using Visual Basic for Applications (VBA)		X	X	X
Extend the Applications with any COM-Compliant Development Environment		X	X	X
Build New ArcGIS Components with .NET Using Microsoft Visual Studio Add-Ins, Templates, and Code Samples		X	X	X

Data Automation

Data Editing

	ArcReader	ArcView	ArcEditor	ArcInfo
General Editing				
Simultaneously Edit Multiple Layers		X	X	X
Perform Unlimited Undo/Redo Operations		X	X	X
Integrate with ArcPad® for Field Editing		X	X	X
Provide Digitizer Support for Devices with Wintab Compliant Drivers		X	X	X
Make Measurements Using Any Units		X	X	X
Optionally Scale Features When Individual Vertices Are Moved		X	X	X
Automatically Correct Ground Measures Appropriately in the GIS		X	X	X
Snap Tips Indicating What Is Being Snapped To		X	X	X
Dockable Snapping Dialog Makes It Quick and Easy to Change Snapping While Editing		X	X	X
Context Menu Option to Snap To Feature Layer		X	X	X
Simple Editing of Multipatch (3D) Features		X	X	X
Snapping by Layer				
Vertex		X	X	X
Edge		X	X	X
Endpoint		X	X	X
Snapping to New Geometry				
Edges		X	X	X
Vertices		X	X	X
Perpendicular		X	X	X
Snapping to Topology Elements				
Topology Nodes		X	X	X
Snapping Tolerance				
By Pixels		X	X	X
By Map Units		X	X	X
Interactively		X	X	X
Geometry Construction Options				
Constrain the Next Segment by Direction		X	X	X
Constrain the Next Segment with a Deflection Angle from Last Segment		X	X	X
Constrain the Next Segment by Length		X	X	X
Specify an Exact X,Y Location		X	X	X
Specify an X,Y Difference from the Last Vertex		X	X	X
Constrain the Next Segment to Be Parallel to the Last Segment		X	X	X
Constrain the Next Segment to Be Perpendicular to the Last Segment		X	X	X
Constrain the Next Segment Based on an Angle from an Existing Feature Segment in the Map		X	X	X
Create Geometry from Existing Features in the Map		X	X	X
Create a Curve Tangent to the Last Segment		X	X	X
Finish a Polygon by Generating Perpendicular Segments from the First and Last Segment		X	X	X
Flip the Orientation of the Geometry		X	X	X
Trim Geometry to a Specific Length		X	X	X
Geometry Creation Tools				
Point and Click On-Screen Digitizing		X	X	X
Use Stream Digitizing		X	X	X
Add a Coordinate Based on an Angle from One Location and a Distance from Another		X	X	X
Add a Coordinate Based on the Implied Intersection of Two Segments		X	X	X
Add a Coordinate in Decimal Degree (DD, DMS, DDM) Format		X	X	X
Construct a True Curve		X	X	X
Construct a Tangent Curve		X	X	X
Construct Rectangles and Circles		X	X	X
Add a Coordinate Based on a Distance from Two Known Locations		X	X	X
Add a Coordinate at the Midpoint between Two Known Locations		X	X	X
Add Coordinates along Existing Coordinates		X	X	X
Create a Curved Line at the Intersection of Two Existing Lines (Fillet)		X	X	X
Feature Manipulation Tasks				
Create Features Using New Geometry		X	X	X
Create New Polygons Using the Geometry of Existing Features (Autocomplete Polygons)		X	X	X
Reshape Existing Features		X	X	X
Cut Polygon Features		X	X	X
Create Mirror Copies of Existing Features		X	X	X
Extend or Trim Existing Features		X	X	X
Split Existing Lines at Their Explicit or Implicit Intersection		X	X	X
Add, Delete, Interactively Move, or Modify the Coordinate Values for Vertex Locations of Existing Features		X	X	X
Feature Editing Tools				
Move, Rotate, Delete, Copy, and Paste		X	X	X
Split a Line at a Distance or Percentage		X	X	X
Divide a Line Based on a Distance, a Number of Segments, or a Measure Value (M-Coordinate)		X	X	X
Buffer Features		X	X	X
Copy Lines Parallel to Their Existing Location		X	X	X
Merge Existing Features		X	X	X
Create New Features by Merging Features in the Same or Another Layer (Union)		X	X	X
Create New Features from the Buffer of Existing Features		X	X	X
Create New Polygons by Intersecting Existing Feature Classes		X	X	X
Clip One or More Polygons with Another Polygon		X	X	X
Extend and Trim Lines with Other Features in the Map		X	X	X
Attribute Editing				
Modify Each Selected Row Individually or as a Group (Attributes Dialog)		X	X	X
Copy Attributes to One or More Rows Simultaneously		X	X	X
Calculate Attribute Values Using Scripts (Field Calculator)		X	X	X
Calculate Attribute Values from a Feature's Geometric Properties (Calculate Geometry)		X	X	X
Validate Attribute Values Using Rules Defining Valid Values (Domains)		X	X	X
Enter Attributes for New Feature as They Are Created		X	X	X
Multipart Features (Point, Line, and Polygon)				
Add and Delete Parts		X	X	X
Zoom to Parts		X	X	X
Add, Delete, and Edit Vertex Locations		X	X	X
Create Separate Features from Each Part (Explode)		X	X	X
Map Navigation While Editing				
Zoom to Feature Vertices		X	X	X
Zoom to Feature Parts		X	X	X
Pan and Zoom to Unplaced Annotation or the Feature Associated with the Unplaced Annotation		X	X	X
Vector Data Transformations				
Rubber Sheeting Transformation		X	X	X
Affine Transformation		X	X	X
Similarity Transformation		X	X	X
Projective Transformation		X	X	X
Edgematching Transformation		X	X	X
Transfer Accurate Attributes from Features with Inaccurate Geometry to Features with Accurate Geometry (Conflation)		X	X	X
Copy Feature Geometry from One Location/Layer to a New Location/Layer		X	X	X
Generalization				
Smooth Line Features		X	X	X
Simplify the Shape of Line Features (Generalize)		X	X	X
Coordinate Geometry (COGO)				
Automatically Modify Field Measures to the GIS (Ground to Grid) with Interactive Tools or by Specifying an Offset and Scale			X	X
Create Fields to Store COGO Measurements			X	X
Add New Features by Specifying Courses along a Traverse			X	X
Create Two-Point Line Features with a Variety of Curve and Straight-Line Construction Methods			X	X
Create New Lines from a Strip Description (Offset Line)			X	X
Construct Symmetrical or Asymmetrical Cul-de-Sacs from a Street Centerline			X	X
Split a Line at Specific Intervals (Proportion)			X	X
Merge Multiple Straight Lines into a Single Two-Point Line with Updated COGO Attributes			X	X
Populate COGO Measurements from the Geometry of a Feature (Inverse)			X	X
Examine COGO Characteristics of Existing Features (COGO Report)			X	X
Calculate All Missing Measurements of a Curve from Any Two Measurements			X	X
Compare Measured Polygon Area with Legal Polygon Area (COGO Area)			X	X
Split Existing Lines into COGO Lines			X	X

Raster Editing and Vectorization[5]

	ArcReader	ArcView	ArcEditor	ArcInfo
Vectorize All Raster Formats Supported in ArcGIS				
1 Bit Raster Data			X	X
8 Bit Raster Data (With Bi-Level Classification Applied)			X	X
ArcGIS Integration				
Vectorization into any Editable Vector Dataset			X	X
Seamless Integration with Vector Data Editing Environment			X	X
Raster Snapping Geometry				
Centerline			X	X
Corner			X	X
Intersection			X	X
Ends			X	X
Solid			X	X
Raster Snapping Environment				
Available to All Editor Sketch Tools			X	X
Snap to Raster Linear Feature of Specified Width or Less			X	X
Snap to Solids within Specified Diameter			X	X
Ignore Holes in Data While Snapping			X	X
Vectorization Tracing				
Interactively Trace Raster Lines			X	X
Ignore Holes in Raster Linear Features			X	X
Automatic Vectorization				
Vectorize Entire Raster			X	X
Vectorize Specific Raster Area			X	X
Simultaneously Capture Line and Polygon Vectors			X	X
Vectorization Parameters				
Vectorize Raster Lines Less Than or Equal to Specified Width			X	X
Reduce Vectors (Compression) on Creation			X	X
Smooth Vectors on Creation			X	X
Jump Gaps (Dashes) within Raster			X	X
Use Variable Methods for Resolving Intersections			X	X
Save and Load Parameters			X	X
Vectorization Preview				
Use Dynamic Vectorization Preview			X	X
Change Preview Symbology			X	X
Raster Cell Selection				
Select Foreground or Background Cells			X	X
Select Connected Cells Interactively			X	X
Select Connected Cells by Count			X	X
Select Connected Cells by Diagonal Area			X	X
Raster Cleanup Environment				
Undo/Redo Raster Cleanup Operations			X	X
Erase or Fill Selected Cells			X	X
Save Selected Cells to New Raster			X	X
Raster Cleanup Painting Tools				
Brush			X	X
Erase			X	X
Basic Shapes (Line, Square, Ellipse, and Polygon)			X	X
Erase Connected Cells			X	X
Support Tools				
Discover Raster Line Width			X	X
Discover Raster Solid Diameter			X	X

[5] The vectorization functionality is available through the ArcScan™ for ArcGIS extension, which can be purchased with ArcView but is automatically included with ArcEditor and ArcInfo licenses.

Mobile

	ArcReader	ArcView	ArcEditor	ArcInfo
GPS Support				
Display Real-Time Location Points from a GPS Receiver		X	X	X
Dynamically Center the Map on the Current GPS Point		X	X	X
Store GPS Locations in a Log File		X	X	X
Filter by GPS Input by Time, Distance, or Deflection		X	X	X
Tablet PC				
Export Ink Markups to ArcMap™		X	X	X
Support Windows XP Tablet PC Edition		X	X	X
Edit Features or Graphics with a Stylus		X	X	X
Use Ink Gestures to Perform Common Mapping Tasks		X	X	X
Annotate the Map with Redlining and Highlighting Tools		X	X	X
Find Handwritten Notes within the Map		X	X	X
Convert Redlining Handwriting to Text		X	X	X

Multiuser Geodatabase Editing

	ArcReader	ArcView	ArcEditor	ArcInfo
General Editing				
Multiple Editors Can Simultaneously Edit the Same Feature Classes in a Multiuser Geodatabase			X	X
Isolate Editing Projects in Separate Versions (Create Version) Enabling a Variety of Workflows			X	X
Merge Versions (Reconcile and Post)			X	X
Manage Conflicts between Editors by Row or Column			X	X
Manage Conflicts between Editors Interactively or Automatically			X	X
Delete Versions			X	X
Simultaneously View and Edit Versioned GIS Data in ArcGIS and Non-ArcGIS Applications			X	X
Administration Geoprocessing				
Modify Data Privileges for Data in a Multiuser Geodatabase			X	X
Register SDE® Data with the Geodatabase			X	X
Clean Up Versioning Tables (Compress)			X	X
Add and Remove Tables and Feature Class from the Versioning Environment (Register and Unregister as Versioned)			X	X
Versioning Geoprocessing				
Alter Version			X	X
Create Version			X	X
Delete Version			X	X
Post Version			X	X
Reconcile Version			X	X
Register as Versioned			X	X
Unregister as Versioned			X	X
Short Transaction Editing				
Edit Nonversioned Simple Features			X	X
Create Features and Enter Attributes for That Feature within a Single Database Transaction			X	X

Multiuser Geodatabase Archiving

	ArcReader	ArcView	ArcEditor	ArcInfo
Display and Query				
View the Geodatabase at a Specific Point in Time		X	X	X
Query Archived Data Directly		X	X	X
Manage				
Enable and Disable Archiving for a Table or Feature Class			X	X
Create Saved Views of the Geodatabase at a Specific Point in Time			X	X

Distributed Geodatabases

	ArcReader	ArcView	ArcEditor	ArcInfo
Manage Replicas				
Create Replicas of Vector and Raster Data Using a Filter			X	X
Create and Manage Checkout/Check-In, One-Way, or Two-Way Geodatabase Replicas			X	X
Synchronize Connected Replicas			X	X
Exchange Edits between Disconnected Replicas with an XML, ZIP, Z, or Geodatabase Delta File			X	X
Compare Schemas between Replicas			X	X
Exchange Schema Changes between Replicas			X	X
Generate a Feature Class Containing the Rectangular Extent of a Replica			X	X
Disconnected Editing Geoprocessing				
Check In			X	X
Check Out			X	X
Check In from Delta			X	X
Export to Delta			X	X
Distributed Geodatabases Geoprocessing				
Add Global IDs			X	X
Compare Replica Schema			X	X
Create Replica			X	X
Create Replica from Server			X	X
Create Replica Footprints			X	X
Export Acknowledgment Message			X	X
Export Data Change Message			X	X
Export Replica Schema			X	X
Import Message			X	X
Import Replica Schema			X	X
Reexport Unacknowledged Messages			X	X
Synchronize Changes			X	X

Spatial Referencing Image Data (Georeferencing)

	ArcReader	ArcView	ArcEditor	ArcInfo
Tools				
Shift, Flip, Rotate, or Fit Image to Display		X	X	X
Interactively Specify from and to Control Points		X	X	X
Save and Load Control Points with Error and Accuracy Information		X	X	X
Transformation Methods				
First-, Second-, and Third-Order Polynomial		X	X	X
Adjust		X	X	X
Spline		X	X	X
Save Spatial Reference Information				
Create a New Dataset (Rectify)		X	X	X
Save Reference Information with the Image		X	X	X

Data Management and Validation

Data Management

	ArcReader	ArcView	ArcEditor	ArcInfo
General				
Manage GIS Data and All Associated Files from a Single Tree View Application (ArcCatalog™)		X	X	X
Manage Raster Datasets and Raster Catalogs in a Personal Geodatabase		X	X	X
Create Single-User (Personal or File) Geodatabase Feature Classes		X	X	X
Create Shapefiles		X	X	X
Administer ArcGIS Server		X	X	X
Connect to Multiuser Geodatabases Using Operating System or Database Authentication		X	X	X
Search for GIS Data By				
Name		X	X	X
Type		X	X	X
Location		X	X	X
Date		X	X	X
Metadata Tag		X	X	X
Manage Coverage Data				
Add/Modify Tic Locations			X	X
Set Coordinate System			X	X
Change the Data Extent			X	X
Create Coverage Relationship Classes			X	X
Create a New Coverage			X	X
Create a New INFO File			X	X
Modify Coverage Tolerances			X	X
UML/CASE Tool Integration				
Generate Geodatabase Schema from a UML Diagram Created in a CASE Tool (via XML File or Microsoft Repository)			X	X
Apply a Geodatabase Schema to Existing Features from a CASE Tool Design			X	X
Geodatabase Administration				
Create and Load Vector and Raster Data into a Multiuser Geodatabase			X	X
Create Tables/Feature Classes That Store Custom Objects/Features			X	X
Update RDBMS Statistics for GIS Data			X	X
Interchange File Import/Export				
XML			X	X
ZIP (Compressed Text File with 4 GB File Size Limit)			X	X
Z (Compressed Text File with No File Size Limit)			X	X

Attribute Validation

	ArcReader	ArcView	ArcEditor	ArcInfo
Subtypes Geoprocessing				
Add Subtype		X	X	X
Remove Subtype		X	X	X
Set Default Subtype		X	X	X
Set Subtype Field		X	X	X
Domains Geoprocessing				
Add Coded Value to Domain		X	X	X
Assign Domain to Field		X	X	X
Create Domain		X	X	X
Delete Coded Value from Domain		X	X	X
Delete Domain		X	X	X
Domain to Table		X	X	X
Remove Domain from Field		X	X	X
Set Value for Range Domain		X	X	X
Table to Domain		X	X	X
Create and Edit Relationships between Features				
One-to-One			X	X
One-to-Many			X	X
Many-to-Many			X	X
Specify Cardinality Rules for Relationships			X	X
Store Attributes for Relationships			X	X
Geodatabase Relationship Behavior				
Moving a Feature Moves the Related Feature			X	X
Deleting One Feature Deletes the Related Feature			X	X
Relationship Class Geoprocessing				
Create Relationship Class			X	X
Table to Relationship Class			X	X

Topology

	ArcReader	ArcView	ArcEditor	ArcInfo
Map Display				
Display a Summary of the Errors and Exceptions in the Topology		X	X	X
Display the Feature Classes and Rules in the Topology		X	X	X
Display Errors, Exceptions, and Dirty Areas in the Map		X	X	X
Editing				
Construct and Edit Topologies Created from Layers in the Map		X[6]	X	X
Move Topological Edges and Nodes		X[6]	X	X
Show or Select Adjacent or Connected Features		X[6]	X	X
Reshape Shared Edges between Features		X[6]	X	X
Modify the Coordinates of Shared Edges or Nodes		X[6]	X	X
Split Shared Edges at a Specific Point, Distance, or Percentage along the Edge		X[6]	X	X
Move Edges and Nodes to a Specific Location		X[6]	X	X
Shift Edges and Nodes Based on an Offset from Their Current Location		X[6]	X	X
Merge Connected Edges		X[6]	X	X
Control Which Adjacent or Connected Features Move When a Shared Edge or Node Is Moved		X[6]	X	X
Create/Split Polygons from Lines or Create Lines from Polygons			X	X
Split Lines Where They Intersect			X	X
Validate a Specific Area or the Entire Topology			X	X
Search for Errors of a Specific Type within One Area or the Entire Topology			X	X
Inspect Errors by Zooming, Panning, or Selecting the Features			X	X
Geodatabase Topology Rule Violation Fix Operations				
Delete Features			X	X
Subtract Features			X	X
Create Features			X	X
Merge Features			X	X
Snap Features			X	X
Extend Lines			X	X
Trim Lines			X	X
Split Lines			X	X
Explode Features			X	X
Simplify Features			X	X
Geodatabase Topology Management				
Create and Manage Geodatabase Topology			X	X
Specify a Hierarchy for Vertex Snapping During Topology Creation			X	X
Geodatabase Topology Rules				
Polygons Contain Points			X	X
Polygons Must Not Overlap			X	X
Polygons Must Not Have Gaps			X	X
Polygons Must Not Overlap with Polygons in Another Feature Class			X	X
Polygons Must Be Covered by One Polygon in Another Feature Class			X	X
Polygons Must Be Covered by One or More Polygons in Another Feature Class			X	X
Polygons from Two Feature Classes Must Cover Each Other			X	X
Polygon Boundaries Must Be Covered by Lines of Another Feature Class			X	X
Polygon Boundaries Must Be Covered by the Boundaries of Polygons in Another Feature Class			X	X
Lines Must Not Overlap			X	X
Lines Must Be Single Part			X	X
Lines Must Not Self-Overlap			X	X
Lines Must Not Overlap with Lines in Another Feature Class			X	X
Lines Must Not Have Dangles			X	X
Lines Must Not Have Pseudonodes			X	X
Lines Must Not Intersect			X	X
Lines Must Not Self-Intersect			X	X
Line Endpoints Must Be Covered by Points of Another Feature Class			X	X
Lines Must Be Covered By Polygon Boundaries of Another Feature Class			X	X
Lines Must Not Intersect or Touch Interior			X	X
Lines Must Be Covered by Lines of Another Feature Class			X	X
Points Must Be Covered by Lines of Another Feature Class			X	X
Points Must Be Inside Polygons			X	X
Points Must Be Covered by the Endpoints of Lines			X	X
Points Must Be Covered by the Boundary of Polygons of Another Feature Class			X	X
Geoprocessing				
Add Feature Class to Topology			X	X
Add Rule to Topology			X	X
Create Topology			X	X
Remove Feature Class from Topology			X	X
Remove Rule from Topology			X	X
Set Cluster Tolerance			X	X
Validate Topology			X	X

[6] Only available with Simple Features in map-based topologies

Networks

	ArcReader	ArcView	ArcEditor	ArcInfo
Utility Network Analysis				
Trace Upstream		X	X	X
Trace Downstream		X	X	X
Find Common Ancestors		X	X	X
Find Connected Network Features		X	X	X
Find Loops in Network		X	X	X
Find Disconnected Network Features		X	X	X
Find Path		X	X	X
Find Path Upstream		X	X	X
Find Upstream Accumulation		X	X	X
Isolate a Point on the Network		X	X	X
Data Management				
Create and Manage Utility Networks			X	X
Create Complex Edge Features that Maintain Connectivity Without Splitting the Feature			X	X
Geometric Network Connectivity Rules				
Edge—Junction			X	X
Edge—Edge via Junction			X	X
Geometric Network Editing				
Connect and Disconnect Network Features			X	X
Enable and Disable Network Features			X	X
Set Flow Direction for a Network			X	X
Verify, Repair, and Rebuild Connectivity in a Network			X	X
Verify the Geometry of Network Features			X	X
Review and Repair Network Creation Errors			X	X

Linear Referencing (Routes)

	ArcReader	ArcView	ArcEditor	ArcInfo
Display				
Find and Display Dynamic Segmentation Events (Point, Linear, and Continuous) on Routes		X	X	X
Editing				
Interactively Modify M-Coordinate Values		X	X	X
Interactively Drop M-Coordinates		X	X	X
Create Routes for Selected Lines Using the Length of the Features, a Field Value, or Specific From and To Measures		X	X	X
Edit a Portion of a Line Without Affecting the Measures on the Rest of the Line		X	X	X
Adjust One Route Using Points along the Routes (Calibrate)		X	X	X
Calculate Measures Using From and To Measures for a Line		X	X	X
Set the Digitized Direction of the Line to Match Measure Values		X	X	X
Calculate Measures Based on Length of Line		X	X	X
Drop All the Measures for a Line		X	X	X
Calculate Unknown Measures Using Interpolation Based on Existing Measures		X	X	X
Add a Value to All Measures on a Line		X	X	X
Multiply All Measures on a Line by a Factor		X	X	X
Add a Vertex at a Specific Measure		X	X	X
Geoprocessing				
Make Route Event Layer		X	X	X
Create Routes		X	X	X
Calibrate Routes (Adjust All Route Measures Using Points along the Routes)		X	X	X
Dissolve Route Events		X	X	X
Locate Features along Routes		X	X	X
Overlay Route Events		X	X	X
Transform Route Events		X	X	X

Metadata

	ArcReader	ArcView	ArcEditor	ArcInfo
General				
Automatically or Manually Generate Metadata for Data Files		X	X	X
Import/Export Metadata		X	X	X
Export Metadata to ISO 19139		X	X	X
Create XML Files for Metadata Templates		X	X	X
View Metadata Using a Variety of Styles				
Federal Geographic Data Committee (FGDC)		X	X	X
FGDC Classic		X	X	X
FGDC ESRI		X	X	X
FGDC FAQ		X	X	X
FGDC Geography Network		X	X	X
ISO		X	X	X
ISO Geography Network		X	X	X
Raw XML		X	X	X
Geoprocessing				
Metadata Publisher		X	X	X
ESRI Metadata Translator		X	X	X
USGS MP Metadata Translator		X	X	X
XSLT Transformation		X	X	X

Data Manipulation and Analysis

Coverage Geoprocessing

	ArcReader	ArcView	ArcEditor	ArcInfo
Application Framework				
Full-Featured Management and Analysis Environment for ArcInfo Coverage Data Format				X
ARC Macro Language (AML™) Scripting Environment				X
Operates on Both Windows and UNIX				X
Analysis				
Clip				X
Select				X
Split				X
Erase				X
Identity				X
Intersect				X
Union				X
Update				X
Buffer				X
Near				X
Point Distance				X
Point Node				X
Thiessen				X
Conversion				
Export to DLG				X
Export to Interchange File				X
Export to S57				X
Export to SDTS				X
Export to VPF				X
Ungenerate				X
Advanced TIGER Conversion				X
Basic TIGER Conversion				X
Generate				X
Import from DLG				X
Import from Interchange File				X
Import from S57				X
Import from SDTS				X
Import from VPF				X
Aggregation				
Append				X
Composite Features				
Line Coverage to Region				X
Line Coverage to Route				X
Polygon Coverage to Region				X
Region to Polygon Coverage				X
Generalization				
Aggregate Polygons				X
Simplify Building				X
Collapse Dual Lines to Centerline				X
Dissolve				X
Eliminate				X
Find Conflicts				X
Simplify Line or Polygon				X
Table Management				
Drop Index				X
Index Item				X
Add Item				X
Drop Item				X
Join Information Tables				X
Add X,Y Coordinates				X
Renumber Nodes				X
Update IDs				X
Projections				
Define Projection				X
Project				X
Transform				X
Topology				
Build				X
Clean				X
Create Labels				X
VPF File Topology				X
General				
Create Coverage				X
Tolerance				X

Geoprocessing

	ArcReader	ArcView	ArcEditor	ArcInfo
Environment				
String Together Geoprocessing Tools Using a Visual Modeling Environment (ModelBuilder™)		X	X	X
Use Contents Geoprocessing Tool View		X	X	X
Use Index Geoprocessing Tool View		X	X	X
Use Search Geoprocessing Tool View		X	X	X
Use Favorite Tools Geoprocessing Tool View		X	X	X
Create and Share New Geoprocessing Tools Using Models or Scripts		X	X	X
Save Tools in a Geodatabase or on the File System		X	X	X
Use Shortcuts to Geoprocessing Tools through a Command Line		X	X	X
Display the Results and Intermediate Data from a Model in a Map Using Tool Layers		X	X	X
Execute Tools, Models, and Scripts Multiple Times with Different Inputs in One Operation (Batch Processing)		X	X	X
Build Looping Models for a Specific Number of Times, a List of Inputs, a Series of Values, or Until a Condition Is False		X	X	X
Supported Scripting Environments				
C++		X	X	X
JavaScript		X	X	X
Perl		X	X	X
Python		X	X	X
VBA		X	X	X
VBScript		X	X	X
Visual Basic		X	X	X
Visual Studio .NET		X	X	X
General Data Management				
Append		X	X	X
Copy		X	X	X
Delete		X	X	X
Merge		X	X	X
Merge Branch		X	X	X
Rename		X	X	X
Select Data		X	X	X
Calculate Value				X[7]
Data Comparison				
Feature Compare		X	X	X
File Compare		X	X	X
Raster Compare		X	X	X
Table Compare		X	X	X
TIN Compare		X	X	X
Table Management				
Copy Rows		X	X	X
Create Table		X	X	X
Delete Rows		X	X	X
Get Count		X	X	X
Analyze			X	X
Change Privileges			X	X
Pivot Table				X
Field Management				
Add Field		X	X	X
Assign Default to Field		X	X	X
Calculate End Date		X	X	X
Calculate Field		X	X	X
Delete Field		X	X	X
Transpose Time Fields		X	X	X
Feature Class Management				
Append Annotation Feature Classes		X	X	X
Calculate Default Cluster Tolerance		X	X	X
Calculate Default Spatial Grid Index		X	X	X
Create Feature Classes		X	X	X
Create Fishnet		X	X	X
Integrate		X	X	X
Update Annotation Feature Classes		X	X	X
Create Random Points				X[7]
Feature Management				
Add X,Y Coordinates		X	X	X
Adjust 3D Z		X	X	X
Check Geometry		X	X	X
Copy Features		X	X	X
Delete Features		X	X	X
Multipart to Single Part		X	X	X
Repair Geometry		X	X	X
Feature Envelope to Polygon				X
Feature to Line				X
Feature to Point				X
Feature to Polygon				X
Feature Vertices to Points				X
Polygon to Line				X
Split Line at Vertices				X
File Geodatabase				
Compress File Geodatabase Data		X	X	X
Uncompress File Geodatabase Data		X	X	X
Generalization				
Dissolve		X	X	X
Simplify Line			X	X
Smooth Line			X	X
Aggregate Polygons				X
Collapse Dual Lines to Centerline				X
Eliminate				X
Simplify Building				X
Simplify Polygon				X
Projections and Transformations				
Create Custom Geographic Transformation		X	X	X
Define Projection (Single Input)		X	X	X
Vector Data Projection				
Batch Project		X	X	X
Create Spatial Reference		X	X	X
Project		X	X	X
Raster Management				
Add Color Map		X	X	X
Batch Build Pyramids		X	X	X
Batch Calculate Statistics		X	X	X
Build Pyramids		X	X	X
Build Raster Attribute Table		X	X	X
Calculate Statistics		X	X	X
Clip		X	X	X
Composite Bands		X	X	X
Copy Raster		X	X	X
Copy Raster Catalog Items		X	X	X
Create Orthocorrected Raster Dataset		X	X	X
Create Pan-Sharpened Raster Dataset		X	X	X
Create Raster Catalog		X	X	X
Create Raster Dataset		X	X	X
Delete Color Map		X	X	X
Delete Raster Attribute Table		X	X	X
Delete Raster Catalog Items		X	X	X
Get Raster Properties		X	X	X
Mosaic (with Optional Color Balancing)		X	X	X
Mosaic to New Raster		X	X	X
Raster Catalog to Raster Dataset		X	X	X
Resample		X	X	X
Workspace to Raster Catalog		X	X	X
Workspace to Raster Dataset (with Optional Color Balancing)		X	X	X
Create Random Raster				X[7]
Raster Conversion				
ASCII to Raster		X	X	X
DEM to Raster		X	X	X
Feature to Raster		X	X	X
Float to Raster		X	X	X
Raster to ASCII		X	X	X
Raster to Float		X	X	X
Raster to Other Format (Multiple)		X	X	X
Raster to Point		X	X	X
Raster to Polygon		X	X	X
Raster to Polyline		X	X	X
Point to Raster				X[8]
Polygon to Raster				X[8]
Polyline to Raster				X[8]
Raster Transformation/Projection				
Flip		X	X	X
Mirror		X	X	X
Project Raster (Single Input)		X	X	X
Rescale		X	X	X
Rotate		X	X	X
Shift		X	X	X
Wrap		X	X	X
Conversion				
Feature Class to Feature Class		X	X	X
Feature Class to Geodatabase (Multiple)		X	X	X
Feature Class to Shapefile (Multiple)		X	X	X
Import CAD Annotation to Geodatabase		X	X	X
Import Coverage Annotation to Geodatabase		X	X	X
Import from CAD to Geodatabase		X	X	X
Raster to Geodatabase (Multiple)		X	X	X
Table to dBASE (Multiple)		X	X	X
Table to Geodatabase (Multiple)		X	X	X
Table to Table		X	X	X
Add CAD Fields				X
Create CAD XData				X
Export to CAD				X
Feature Class to Coverage				X
Set CAD Alias				X
Layers and Table Views				
Make Feature Layer		X	X	X
Make Query Layer		X	X	X
Make Raster Catalog Layer		X	X	X
Make Raster Layer		X	X	X
Make Table View		X	X	X
Make X,Y Event Layer		X	X	X
Save to Layer File		X	X	X
Select Layer by Attribute		X	X	X
Select Layer by Location		X	X	X
Core Analysis				
Buffer		X	X	X
Clip		X	X	X
Intersect		X	X	X
Multiple Ring Buffer		X	X	X
Select		X	X	X
Spatial Join		X	X	X
Summary Statistics		X	X	X
Table Select		X	X	X
Union		X	X	X
Create Thiessen Polygons				X
Erase				X
Frequency				X
Identity				X
Near				X
Point Distance				X
Split				X
Symmetrical Difference				X
Update				X
Spatial Statistics Tools—Analyzing Patterns				
Average Nearest Neighbor		X	X	X
High/Low Clustering (Getis_Ord General G)		X	X	X
Multidistance Spatial Cluster Analysis (Ripley's K Function)		X	X	X
Spatial Autocorrelation (Moran's I)		X	X	X
Spatial Statistics Tools—Mapping Clusters				
Cluster/Outlier Analysis (Anselin Local Moran's I)		X	X	X
Hot Spot Analysis (Getis_Ord Gi*)		X	X	X
Spatial Statistics Tools—Measuring Geographic Distributions				
Central Feature		X	X	X
Directional Distribution (Standard Deviational Ellipse)		X	X	X
Linear Directional Mean		X	X	X
Mean Center		X	X	X
Standard Distance		X	X	X
Spatial Statistics Analysis—Modeling Spatial Relationships				
Generate Network Spatial Weights		X	X	X
Generate Spatial Weights Matrix		X	X	X
Geographically Weighted Regression		X	X	X
Ordinary Least Squares Regression		X	X	X
Spatial Statistics Tools—Rendering				
Cluster/Outlier Analysis with Rendering		X	X	X
Collect Events with Rendering		X	X	X
Count Rendering		X	X	X
Hot Spot Analysis with Rendering		X	X	X
Z-Score Rendering		X	X	X
Spatial Statistics Tools—Utilities				
Calculate Areas		X	X	X
Calculate Distance Band from Neighbor Count		X	X	X
Collect Events		X	X	X
Convert Spatial Weights Matrix to Table		X	X	X
Export Feature Attribute to ASCII		X	X	X
Multidimension Tools				
Feature to netCDF		X	X	X
Make netCDF Feature Layer		X	X	X
Make netCDF Raster Layer		X	X	X
Make netCDF Table View		X	X	X
Raster to netCDF		X	X	X
Select by Dimension		X	X	X
Table to netCDF		X	X	X
Workspace Management				
Create Feature Dataset		X	X	X
Create File Geodatabase		X	X	X
Create Folder		X	X	X
Create Personal Geodatabase		X	X	X
Create ArcInfo Workspace				X
Database Management				
Compact		X	X	X
Upgrade Spatial Reference		X	X	X
Compress			X	X
Table Joins				
Add Join		X	X	X
Remove Join		X	X	X
Data Indexing				
Add Attribute Index		X	X	X
Add Spatial Index		X	X	X
Remove Attribute Index		X	X	X
Remove Spatial Index		X	X	X
ArcGIS Server Management				
Delete Map Server Cache		X	X	X
Generate Globe Server Cache		X	X	X
Generate Map Server Cache		X	X	X
Generate Map Server Cache Tiling Scheme		X	X	X
Update Map Server Cache		X	X	X

[7] Also available to ArcView or ArcEditor users who have the ArcGIS Spatial Analyst extension.

[8] Also available to ArcView or ArcEditor users who have the ArcGIS Spatial Analyst or ArcGIS 3D Analyst™ extension.

Data

ArcGIS Online Standard Services

	ArcReader	ArcView	ArcEditor	ArcInfo
2D and 3D Basemap Services				
World Imagery		X	X	X
500 Meter Resolution Global Imagery		X	X	X
15 Meter Resolution Landsat Imagery for the World		X	X	X
1-2 meter Resolution Imagery for the United States and Other Areas		X	X	X
World Street Map		X	X	X
Highways		X	X	X
Roads		X	X	X
Railways		X	X	X
Water Features		X	X	X
Administrative Boundaries		X	X	X
Cities		X	X	X
Landmarks		X	X	X
Shaded Relief Imagery		X	X	X
World Shaded Relief Imagery		X	X	X
90 Meter and 1 Kilometer Resolution Source for the World		X	X	X
30 Meter Resolution Source for the United States		X	X	X
World Political Map		X	X	X
Administrative Boundaries		X	X	X
Place Names		X	X	X
World Physical Map		X	X	X
1.2 Kilometer Land Cover Imagery		X	X	X
USA Topographic Maps		X	X	X
1:24,000 Scale Maps		X	X	X
1:100,000 Scale Maps		X	X	X
1:250,000 Scale Maps		X	X	X
World Topographic Maps		X	X	X
1:1,000,000 Scale Maps		X	X	X

ESRI Data and Maps

	ArcReader	ArcView	ArcEditor	ArcInfo
World				
Countries 2008		X	X	X
Countries (generalized)		X	X	X
Country Boundaries		X	X	X
Country Boundaries (generalized)		X	X	X
Administrative Units and Boundaries		X	X	X
Regions and Continents		X	X	X
Census IPC Demographics (table)		X	X	X
Country Memberships of Political Organizations (table)		X	X	X
Cities and Gazetteer		X	X	X
Drainage Systems		X	X	X
Lakes and Rivers		X	X	X
World Wildlife Fund Terrestrial and Marine Ecoregions		X	X	X
UTM Zones and Time Zones		X	X	X
Latitude and Longitude Grids		X	X	X
Named Latitudes and Longitudes		X	X	X
World Map Background		X	X	X
Europe				
Europe Basemap		X	X	X
Countries		X	X	X
Level 1 to Level 3 Provinces		X	X	X
Cities, Places, and Urbanized Areas		X	X	X
Major Roads and Roads		X	X	X
Railroads and Railroad Stations		X	X	X
Major Lakes, Major Rivers, and Water Bodies		X	X	X
Ferries		X	X	X
Europe Demographics		X	X	X
NUTS–0 to NUTS–3 Demographics		X	X	X
Mexico				
States, Cities, and Municipalities		X	X	X
Urban Areas		X	X	X
Roads and Railroads		X	X	X
Contours		X	X	X
Water Bodies, Rivers, and Streams		X	X	X
Image Data				
Global Digital Elevation Model (SRTM, ETOPO2, GTOPO30)		X	X	X
Global Shaded Relief		X	X	X
Global Imagery 150-Meter Resolution		X	X	X
World Topography and Bathymetry		X	X	X
WorldSat Color Shaded Relief		X	X	X
World Cloud Free		X	X	X
World at Night		X	X	X
World with Clouds		X	X	X
World with Ice		X	X	X
United States				
States		X	X	X
States (generalized)		X	X	X
State Boundaries		X	X	X
Counties		X	X	X
Counties (generalized)		X	X	X
County Boundaries		X	X	X
Cities		X	X	X
Populated Place Points and Areas		X	X	X
ZIP Code Points and ZIP Code Areas (three digit and five digit)		X	X	X
Census Urbanized Areas		X	X	X
Census Tracts and Census Block Groups		X	X	X
Census Block Centroid Populations		X	X	X
109th and 110th Congressional Districts		X	X	X
Core Based Statistical Areas		X	X	X
Telephone Area Code Boundaries		X	X	X
County Population Estimates 1990 (table) and 2000 (table)		X	X	X
Census Feature Class Codes (table)		X	X	X
Major Roads, Major Highways, and Highways		X	X	X
Drainage Systems (generalized)		X	X	X
Lakes (generalized) and Rivers (generalized)		X	X	X
Rivers and Streams		X	X	X
Water Bodies		X	X	X
Major Parks		X	X	X
Hospitals		X	X	X
Airports		X	X	X
Institutions		X	X	X
Parks, Recreation Areas, and Large Area Landmarks		X	X	X
Transportation Terminals		X	X	X
GNIS Cultural Points		X	X	X
Buildings		X	X	X
Cemeteries		X	X	X
Churches		X	X	X
Golf Locales		X	X	X
Hospitals		X	X	X
Locales		X	X	X
Populated Places and Schools		X	X	X
Summits		X	X	X
National Transportation Atlas		X	X	X
Interstate Highways		X	X	X
Railroads		X	X	X
National Atlas of the United States		X	X	X
Airports, Cities, and Urbanized Areas		X	X	X
Federal and Indian Land Areas		X	X	X
Federal Land Lines		X	X	X
Water Feature Areas and Water Feature Lines		X	X	X
Public Land Survey		X	X	X
Historic Earthquakes		X	X	X
Volcanoes		X	X	X
State Plane Zones for NAD 1927 and NAD 1983		X	X	X
USGS Topographic Quadrangle Series Indexes		X	X	X
1:24,000		X	X	X
1:100,000		X	X	X
1:250,000		X	X	X
StreetMap North America				
States and Provinces		X	X	X
State and Province Boundaries		X	X	X
U.S. Counties and County Boundaries		X	X	X
City Points and City Areas		X	X	X
ZIP Code Points and ZIP Code Areas		X	X	X
Detailed Streets and Major Roads		X	X	X
Major Cities		X	X	X
Highways, Interstate Highways, and Railroads		X	X	X
Lakes, Rivers, and Water Bodies		X	X	X
Airports		X	X	X
Institutions		X	X	X
Parks, Recreation Areas, and Large Area Landmarks		X	X	X
Transportation Terminals		X	X	X
Retail Centers		X	X	X

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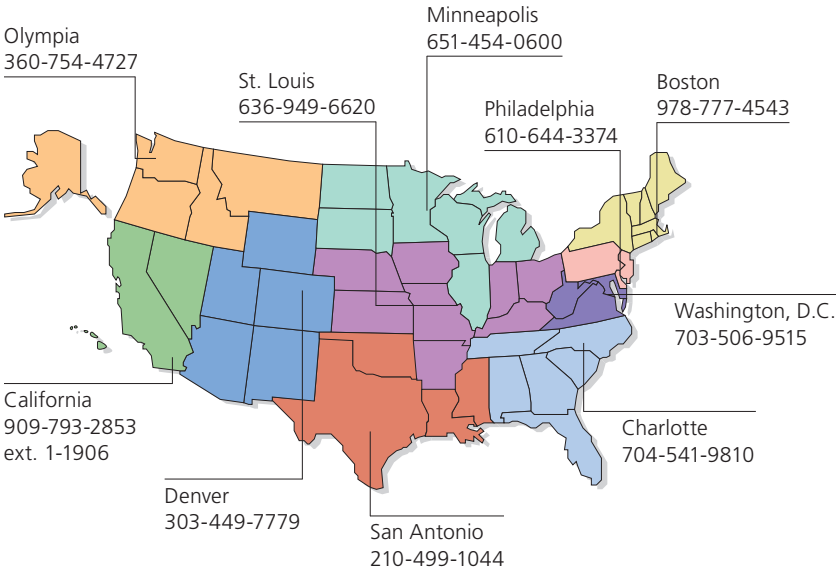

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