

Modify Commands in AutoCAD

Draw commands are used to create new objects. Modify commands or edit commands are used to change existing objects or to use existing objects to create new and similar objects.

1. ERASE

The erase command deletes the objects you select from the drawing. Any of the object selection methods can be used to highlight the object to erase. The only other required action is press Enter to cause the erase to take effect. Methods for invoking the ERASE command include:

1. Menu bar: Modify → Erase

2. Command line: Erase or E

3. Draw bar: 

An example of the erase command prompt is as follows:

Command: Erase

Select Objects: PICK (Use any object selection method.)

Select Objects: PICK (Continue to select desired objects)

Select objects: Enter (Confirm the object selection process and causes Erase to take effect.)

Command: If objects are erased accidentally, U or Undo command can be used immediately following the mistake to undo one step.

2. TRIM

The Trim command allows you to trim (shorten) the end of end object back to the intersection of another object (figure). The middle section of an object can also be trimmed between two intersection objects.

Methods for invoking the TRIM command include:

Toolbar : 

Pull-down menu : MODIFY > TRIM

Command : TRIM

An example of the erase command prompt is as follows:

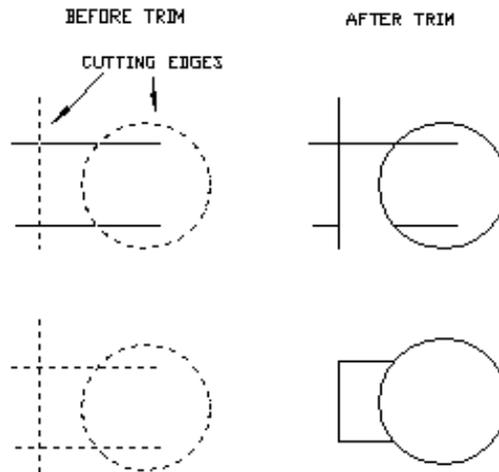


Figure 5-1: Using TRIM command to trim the objects.

3. EXTEND

Extend can be thought of as the opposite of *Trim*. Objects such as *Lines*, *Arc*, and *Pline* can be extended until intersecting another object called a ‘boundary edge’ as in *Figure 5-2*. The command first requires selection of existing object to serve as ‘boundary edge(s)’, which become highlighted, then the objects to extend are selected. Objects extend until, and only if, they eventually intersect.

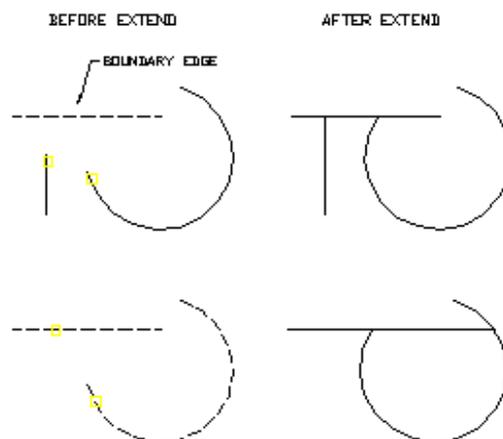
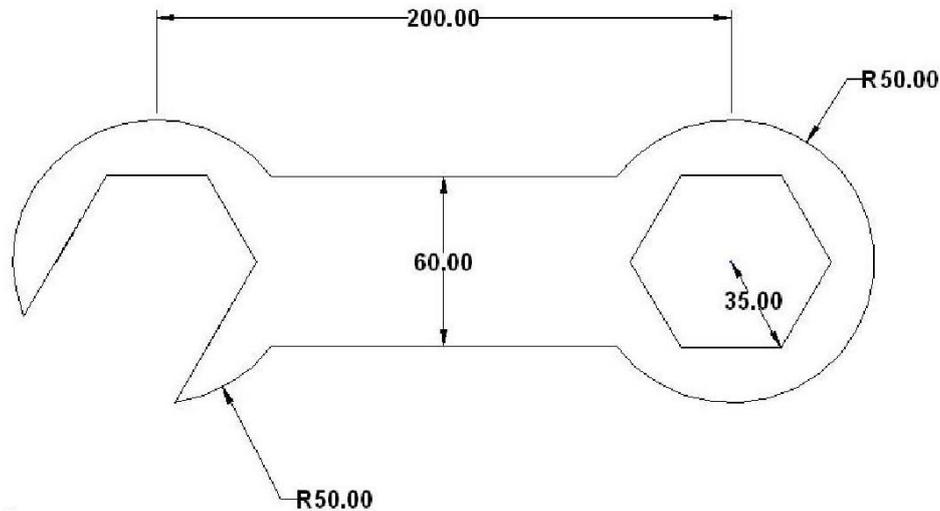


Figure 5-2: Using Extend command.

Example (5-1): Use trim and extend commands to draw the following figure.



4. Copy

The copy command is used to copy a single object or a group of objects. After selecting the objects to copy, you must specify the base point and the second point of displacement. Access the command by:

1. **Menu bar:** *Modify* → *copy*
2. **Command line:** *copy* or *co* or *cp*
3. **Modify bar:** 

When using copy, the program requires the following:

Command: *Copy*

Select Objects:

Specify base point or displacement or [Multiple]:

Specify second point of displacement:

3. ROTATE

The selected object can be rotated to any position with this command. After selecting the object to rotate, you select a “basepoint” (a point to rotate

about) then specify an angle for rotation. Methods for invoking the ROTATE command include:

Toolbar : Pull-down menu : 

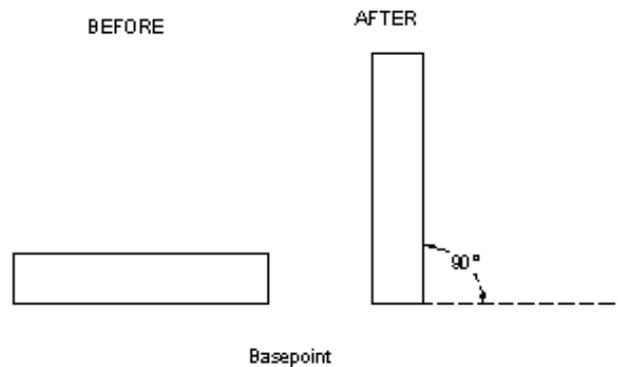
Modify> rotate

Command : Rotate

An example of the ROTATE command prompt is as follows:

Command: rotate Select Object: (Specify the objects to rotate) Base Point : end of (Specify the basepoint) < Rotation angle>/Reference:

Using the ROTATE command to rotate the rectangle about 90 from basepoint



Example (5-2): Using polyline, copy to draw the following figure

