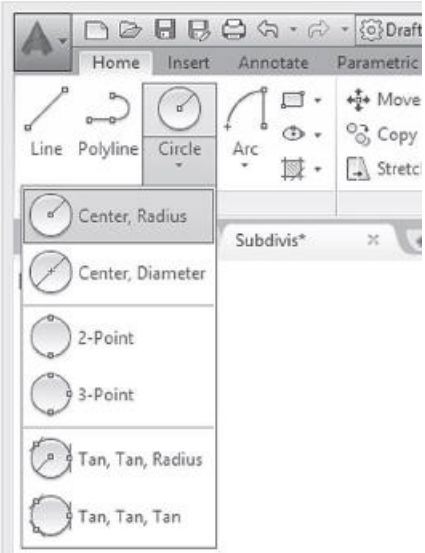
3. Circle

There are many ways to draw circles. Access the command from:

1. Command Line: Circle , C

2. Menu Bar: Draw ➡ Circle

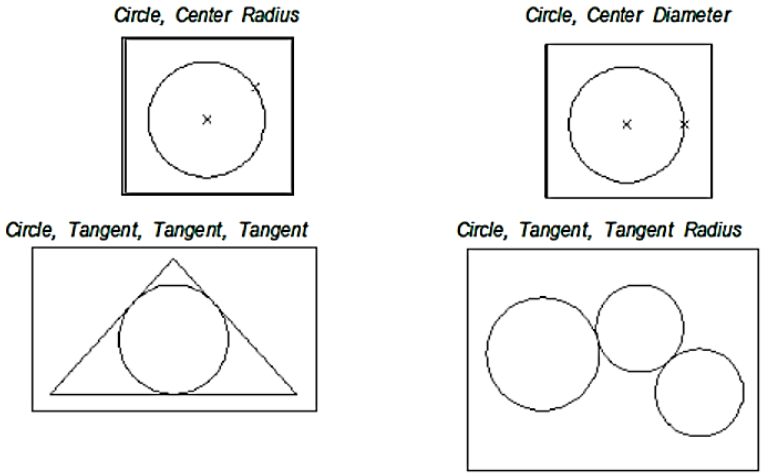
3. Draw Bar:



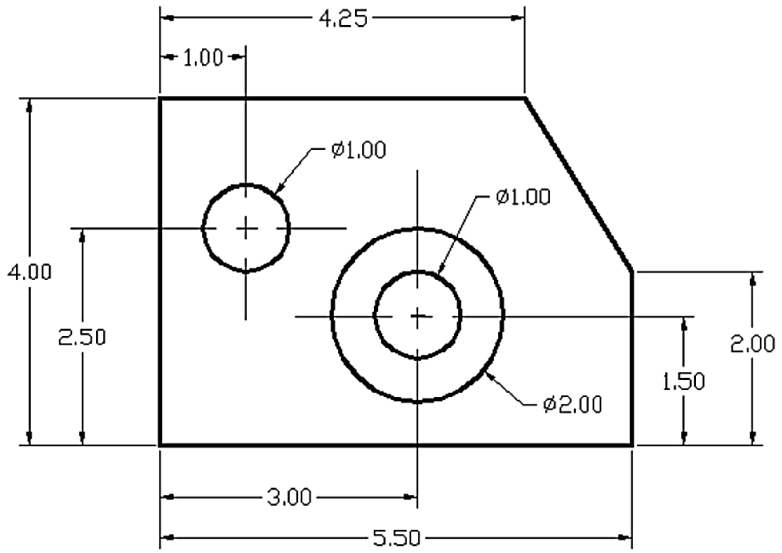
Options:

Notice the different options available under the circle submenu:

- Center, Radius: Draws a circle based on a center point and a radius.
- Center, Diameter: Draws a circle based on a center point and a diameter.
- 2 Points: Draws a circle based on two endpoints of the diameter.
- 3 Points: Draws a circle based on three points on the circumference.
- TTR–Tangent, Tangent, Radius: Draws a circle with a specified radius tangent to two objects.
- TTT–Tangent, Tangent, Tangent: Draws a circle tangent to three objects. **TTT.** (Draw ➡Circle ➡Tan Tan Tan).



Example (3-1): Draw the following figure.



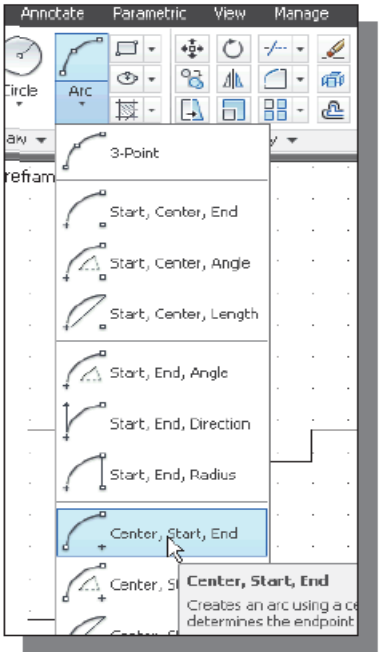
4. ARC

In AutoCAD, the Arc command is often used to produce arcs. Arc command display different Arc construction options. AutoCAD provides eleven different ways to create arcs. Note that the different options are used based on the geometry conditions of the design. The more commonly used options are the 3-Points option and the Center-Start-End option. The ARC command accessed by

1. Command Line: Arc or a

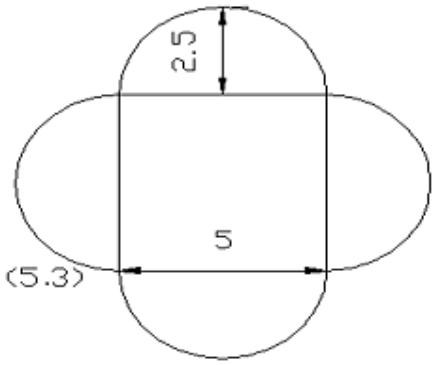
2. Menu Bar: Draw ➡ Arc

3. Draw Bar:



The following message appear:
Specify start point of arc or [CEnter]:
Specify second point of arc or [CEnter/ End]:
Specify end point of arc or [Angle / chord length] :
Specify center point of arc or [Angle/ Direction / Radius]:
Options:
Draw arc using angle. **Angle**
Draw arc using chord length. . **Chord Length**

Example (3-2) Draw the following figure. Note that the figure has start point (5,3).



Example (3-3) Draw the following figure. Note the figure is start from original point (0, 0).