

Exercise 4-1

See act04-01.dwg available on the companion website.

1. Start a new drawing.
2. Draw a solid cylinder that has a diameter of 1.5" and is 3" high.
3. Display the southeast isometric view.
4. Set a point style of your choice (such as **PDMODE** = 3) and use the **POINT** command to locate the following points on the surface of the cylinder.
 - A. Point 1 = <25,.75
 - B. Point 2 = <295,.75
5. Draw separate lines from points 1 and 2 that project from the center of the circular cross section and extend 2" from the surface of the extruded circle.
6. Project new lines from each of the previous lines at 90° angles so they intersect, as shown in the plan view in the illustration below.
 - A. Use relative coordinates and be sure to add the radius of the cylinder to the 2" dimension.
 - B. Either add 90° to or subtract 90° from the original angular value to determine the angle at which to draw the new lines.
7. Save the drawing as EX4-1.

