

Pre-CAD Plan for Object 1**Initial Assumptions:**Chamfer is 45° .

Side hole is centered on the full length.

Bulleted Feature Creation Steps (Ex: 1. Top plane Extrude Boss; 2. Right plane Revolve Cut; 3. Face Chamfer; 4. Pattern; 5. Mirror about new Plane 1):

1. Front plane extrude boss
2. Right plane extrude cut
3. Front edge chamfer (45°)
- 4.
- 5.
- 6.

More Details on Primary FeaturesFrom Step (#): 1Sketch Plane: Front3D Feature type: Extrude Boss

Key Feature Details (dimensions/end conditions):

- OD, ID of circles centered @ origin.
- Blind extrude to length L

From Step (#): 2Sketch Plane: Right3D Feature type: Extrude Cut

Key Feature Details (dimensions/end conditions):

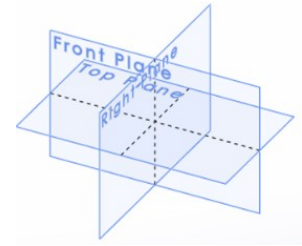
- OD, d, centered on length, L
- Blind extrude, thru all

From Step (#): _____

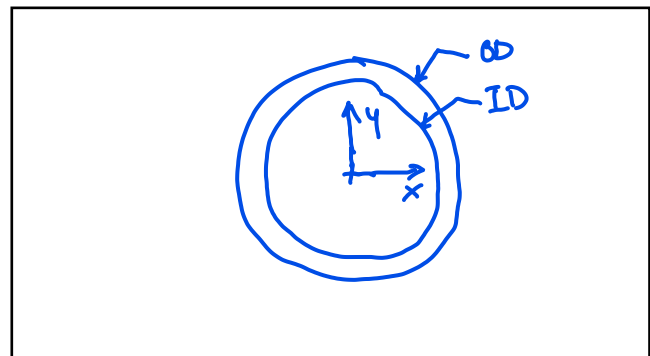
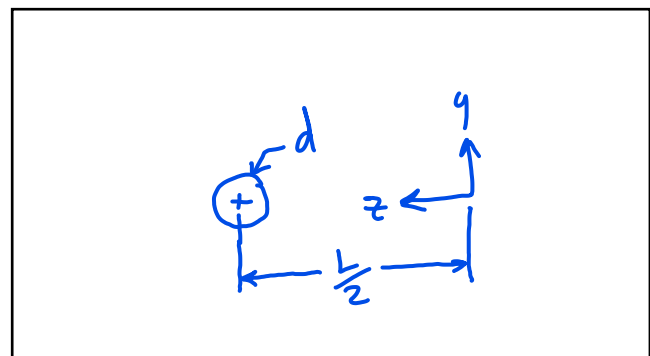
Sketch Plane: _____

3D Feature type: _____

Key Feature Details (dimensions/end conditions):



Starting Planes

2D Sketch(es) from 1st primary feature2D Sketch(es) from 2nd primary feature2D Sketch(es) from 3rd primary feature

Potential Challenges:

1. Cutting hole through just one side of the pipe.
2. Placing the initial boss extrude in the correct location.
3. Sketching on a curved surface.