

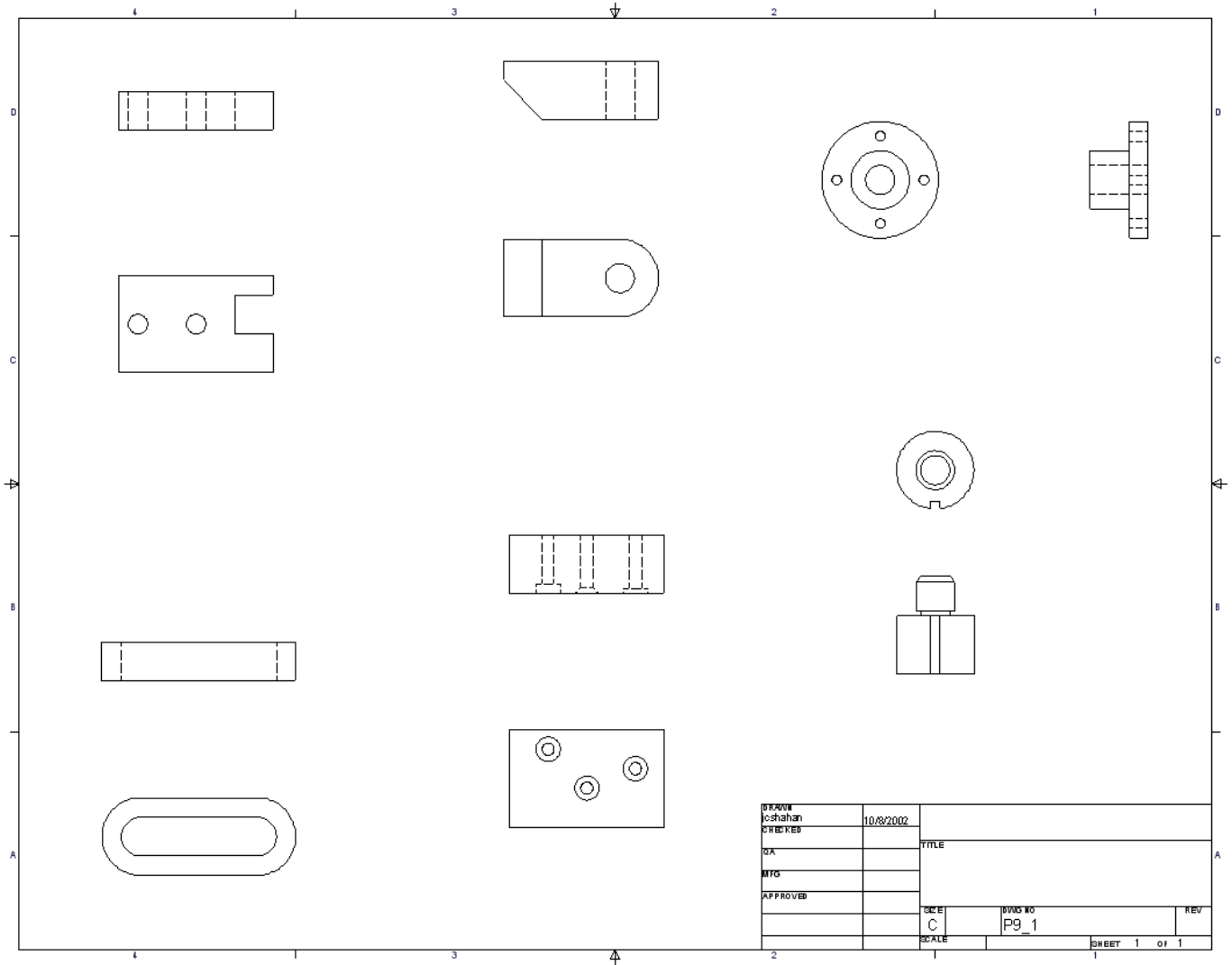
Technical Graphics:

- CAD application – Inventor
 - Views
 - Lines
 - Dimensions(Location, Size, Style)

Assignment: Part I

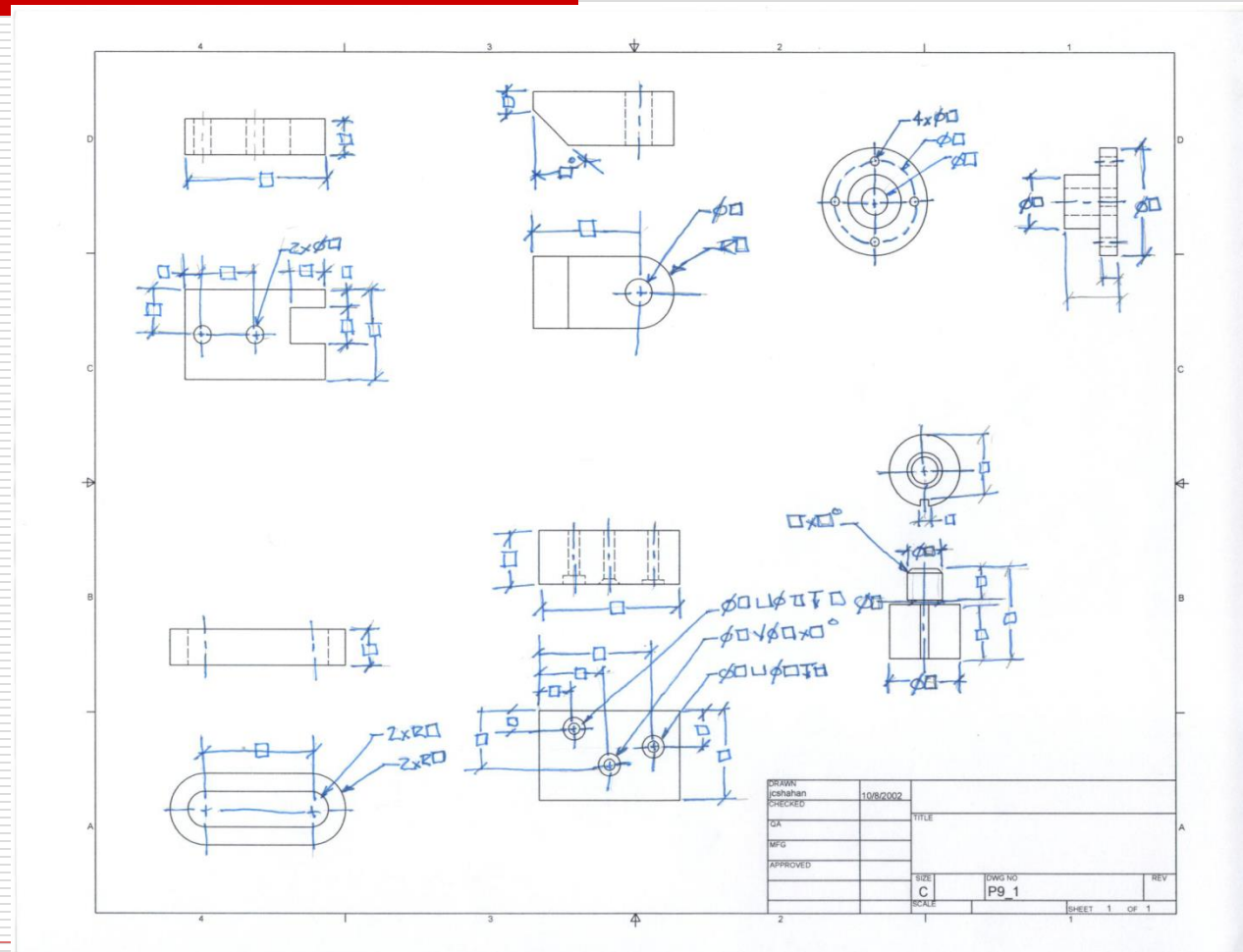
- Open the .idw
 - In S:\{*Your Class*}\Class Files\P9_1.idw
- Add Centerlines
- Add “Standard” Dimensions

Given



DESIGNER	jcsahan	DATE	10/8/2002	TITLE	
CHECKED					
QA					
MFG					
APPROVED					
		SIZE	DWG NO	REV	
		C	P9_1		
		SCALE	SHEET 1 of 1		

Sketched Solution



P9.1-1: Centers

□ Center:

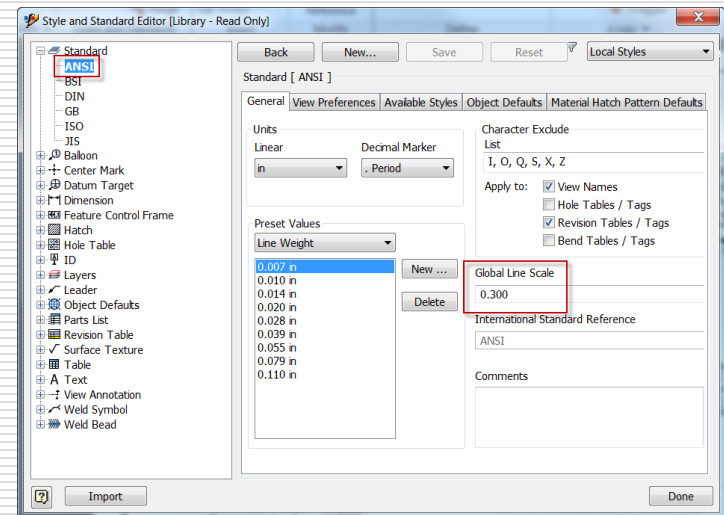
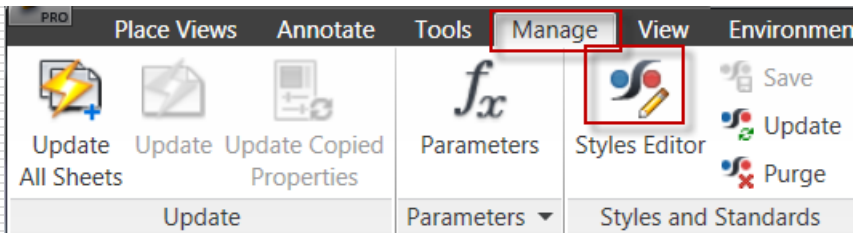
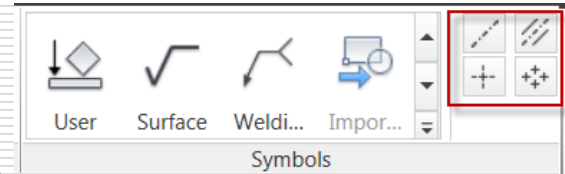
- Line, Bisector, Mark, pattern

□ Format

- Style and Standard Editor

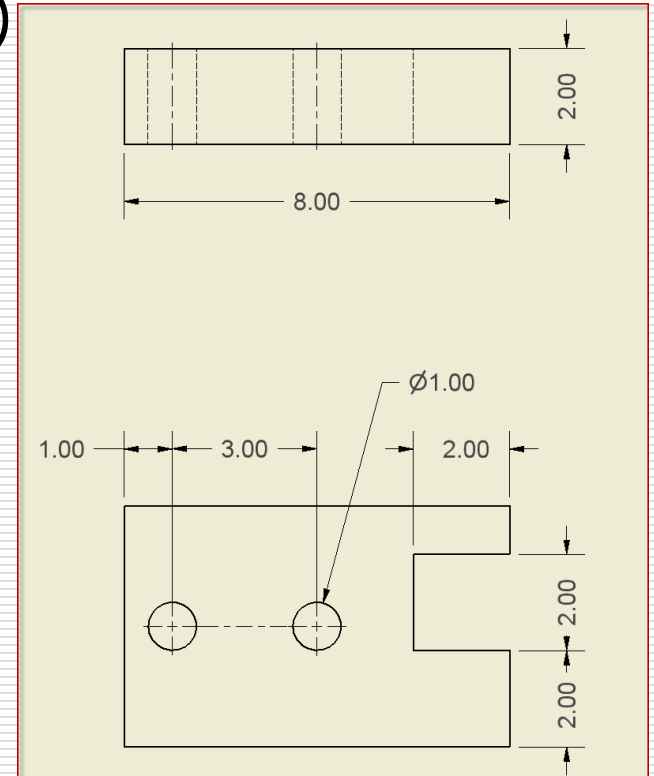
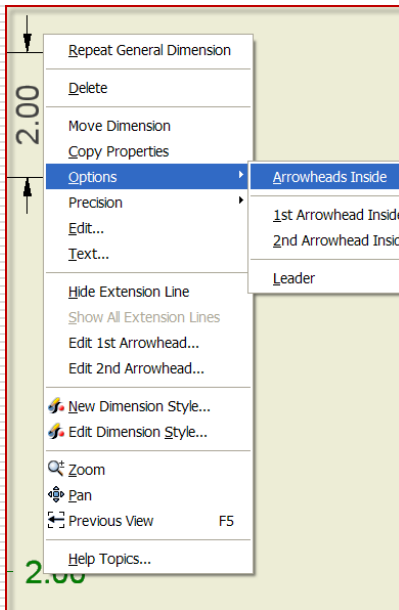
□ ANSI

□ Global Line Scale:.3



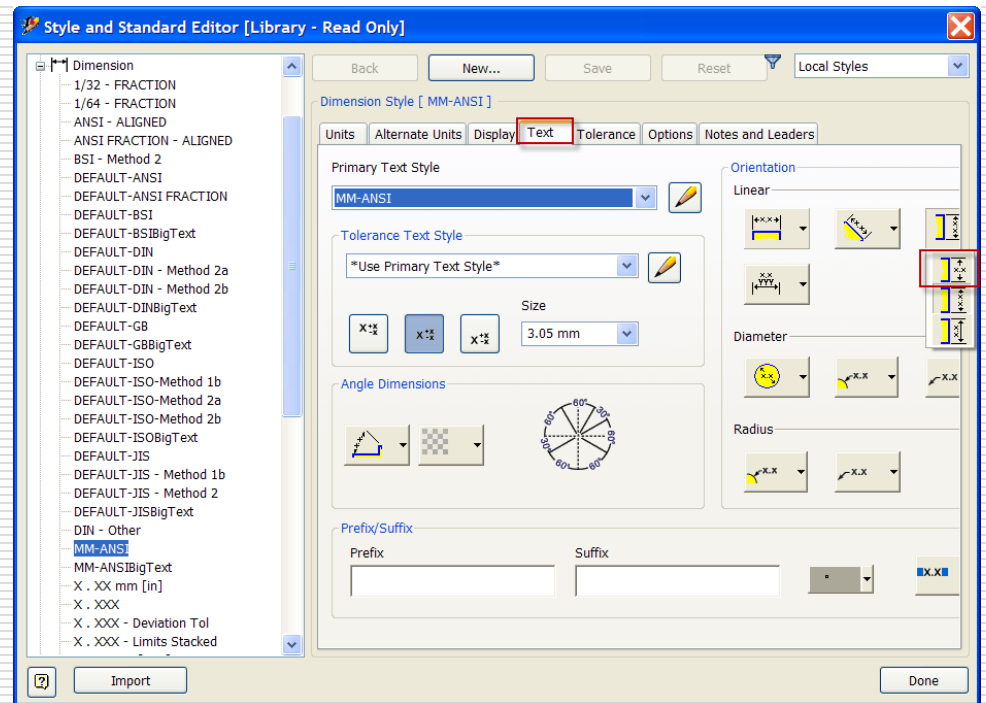
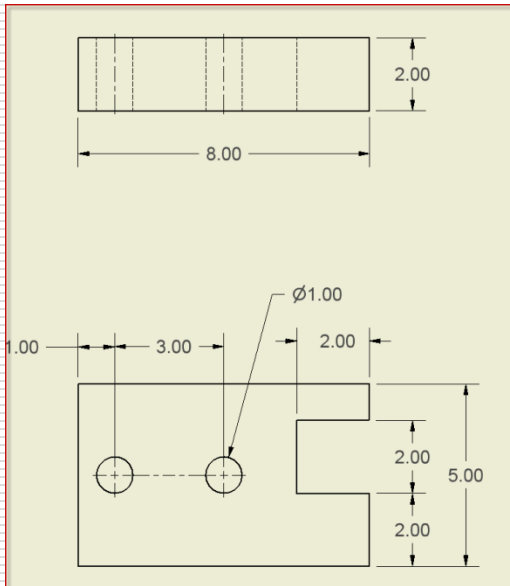
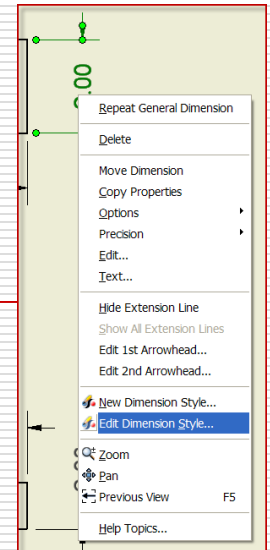
P9.1-1: Dimension

- General Dimension
 - Options (Select Dimension)
 - Arrowheads Inside



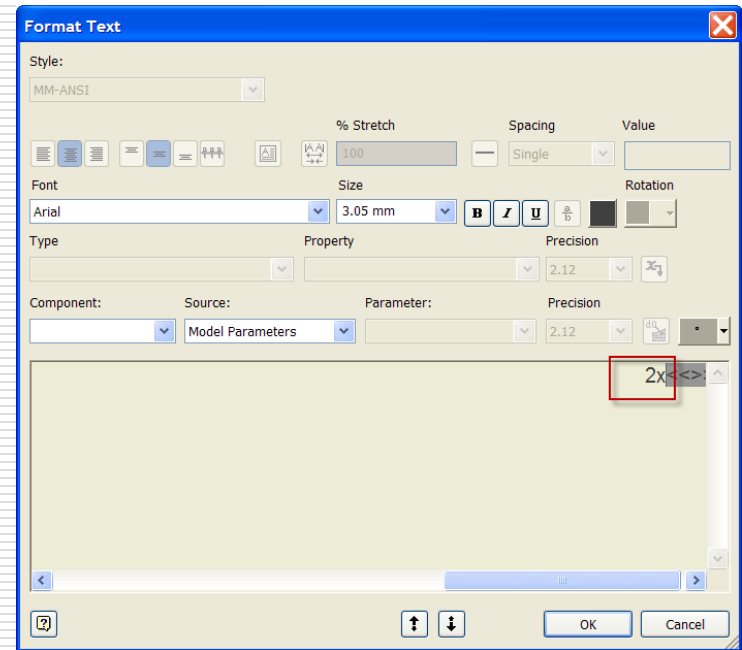
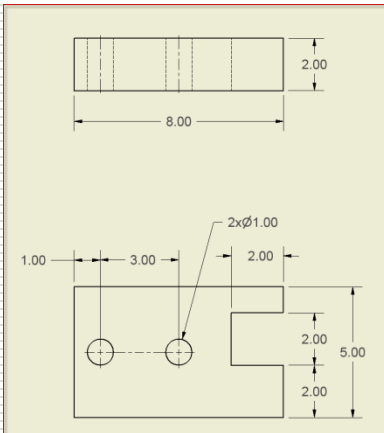
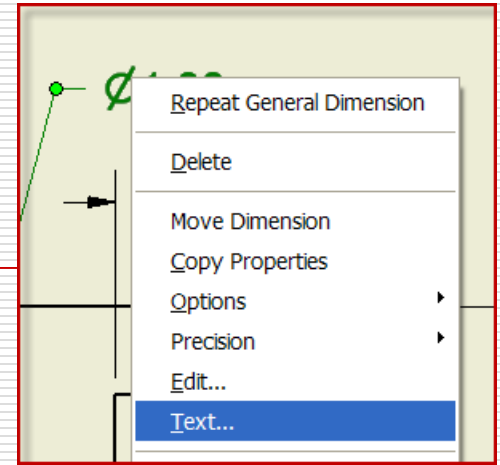
P9.1-1: Dimension Style

- Edit Dimension Style
 - Pre-select dimension
 - Text



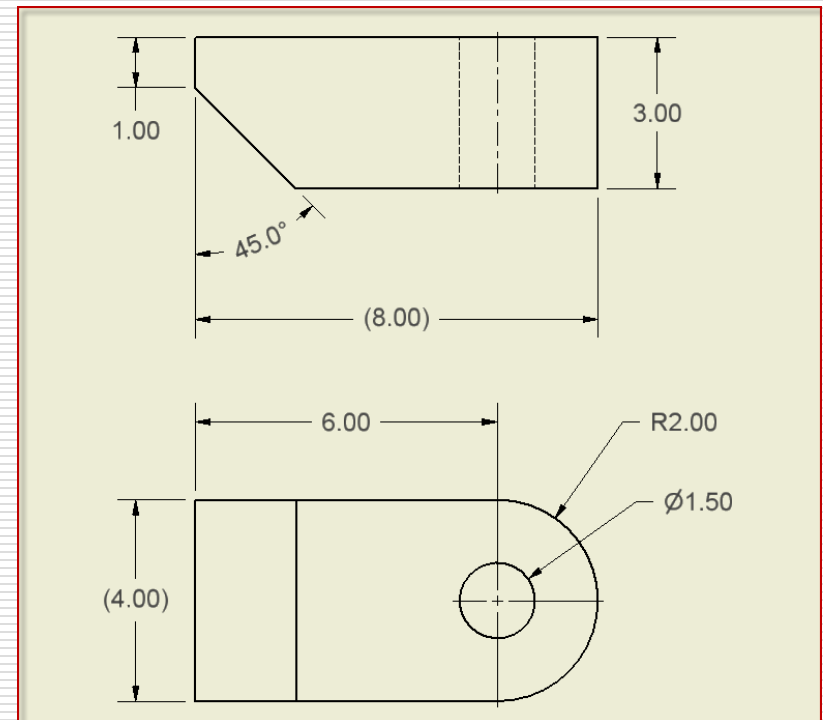
P9.1-1: Dimension Text

- Select Dimension
 - Right Mouse button
 - Text
 - Add / Enter: 2x



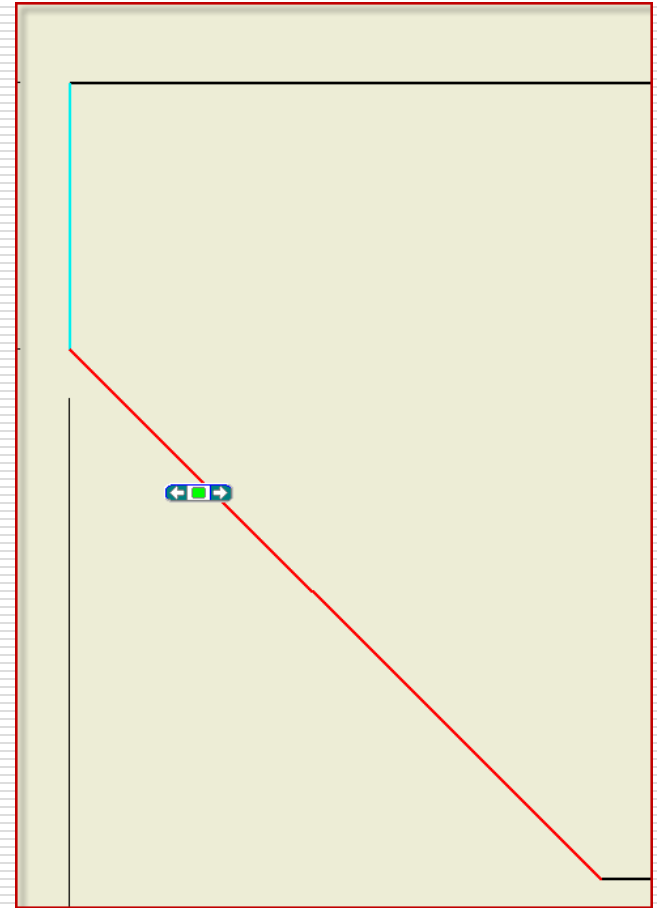
P9.1-2:

- ❑ Center Mark
- ❑ Centerline Bisector
- ❑ General Dimension
 - ❑ Angle
 - ❑ Reference Dimension



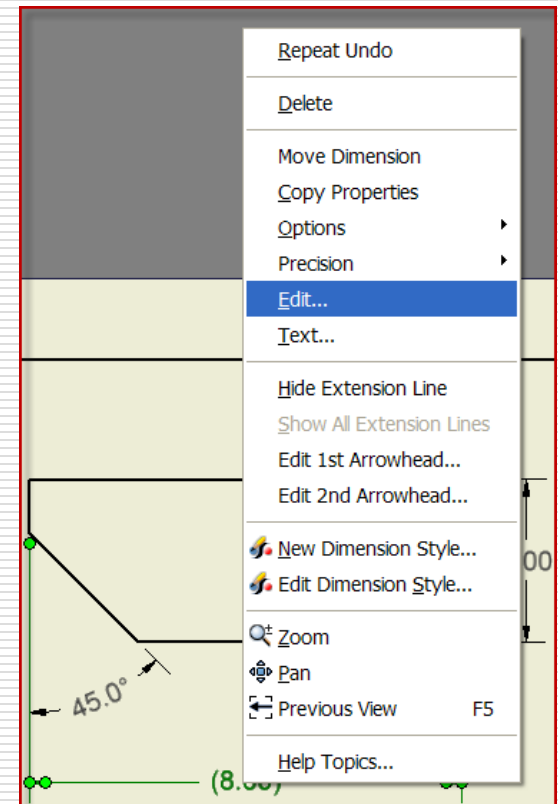
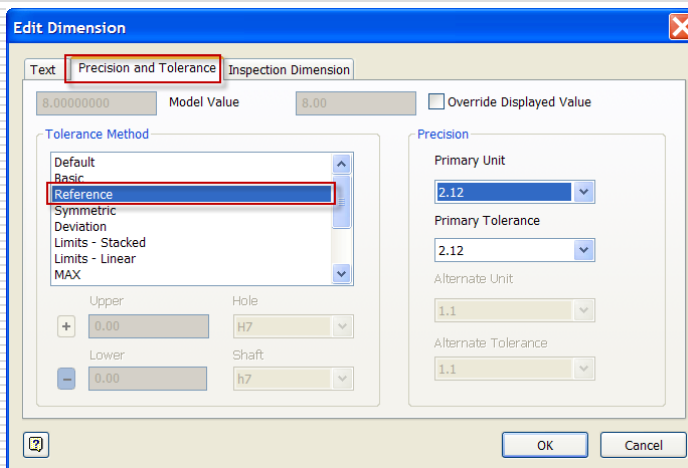
P9.1-2: Dimension - Angle

- Select Lines
 - Not points



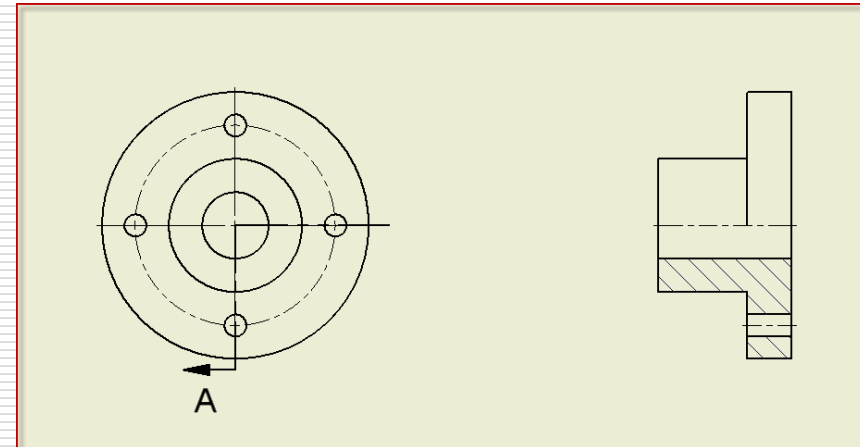
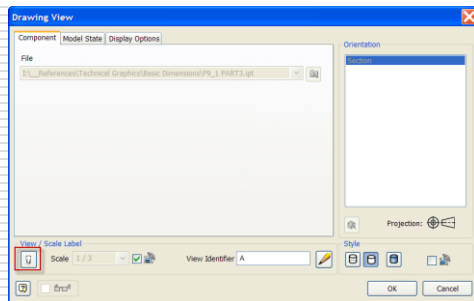
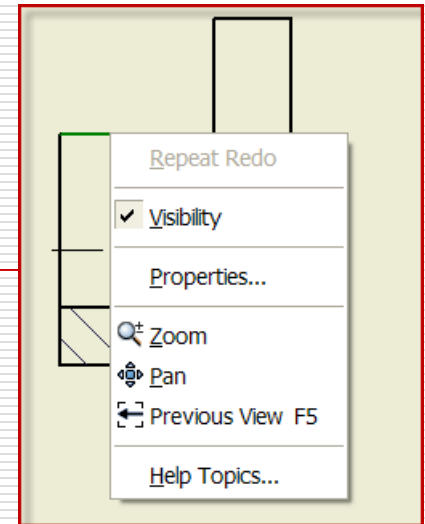
P9.1-2: Reference Dimension

- Select Dimension(s)
 - Right Mouse Button
 - Edit
 - Precision and Tolerance
 - Reference



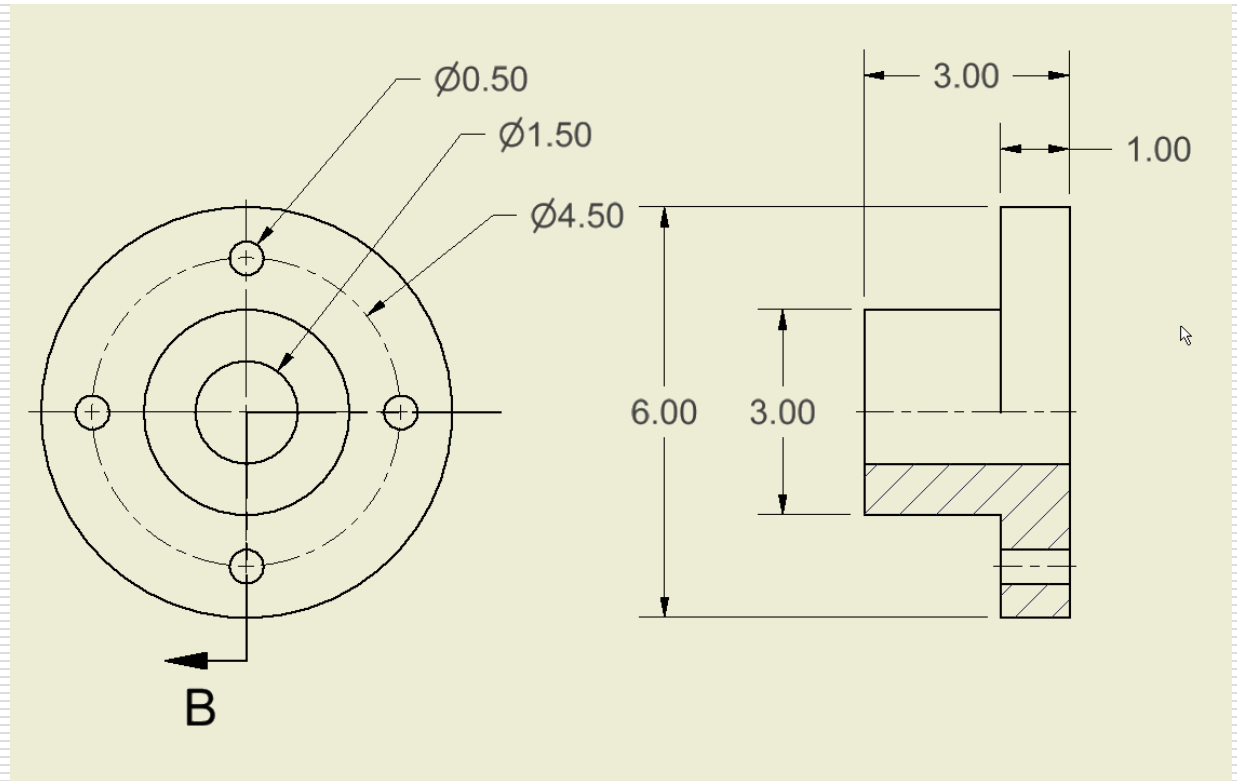
P9.1-3: Section View

- ❑ Cutting Plane (Front view)
- ❑ Line Visibility
 - Select Line (right click)
 - Un-check visibility
- ❑ Edit the section View
 - View / Scale Label



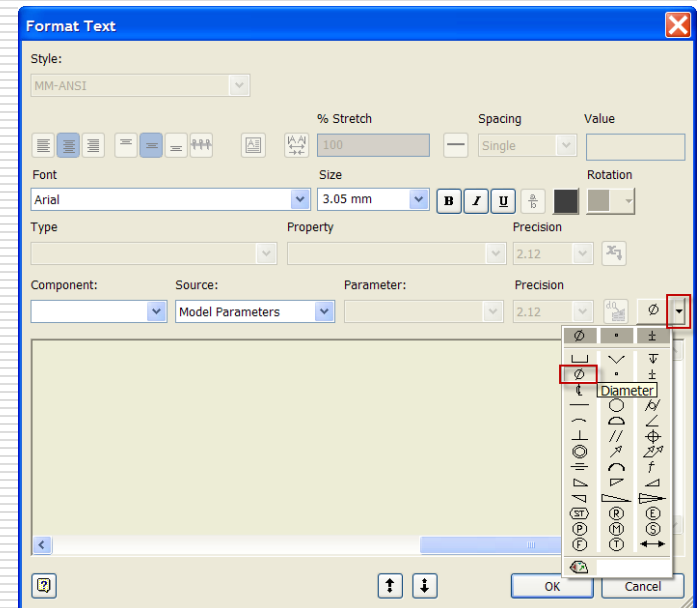
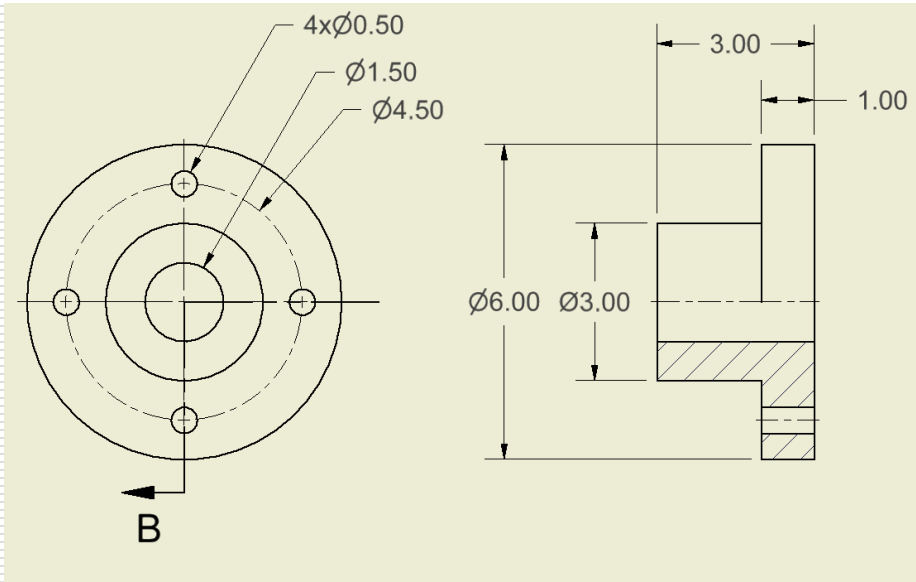
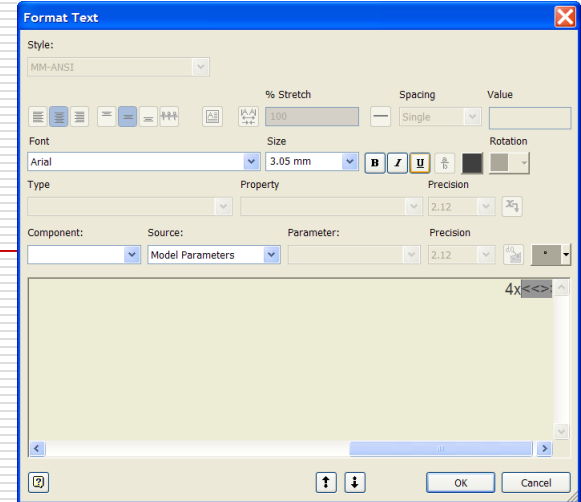
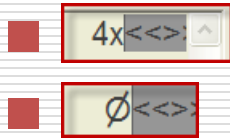
P9.1-3: Dimensions

□ General Dimension



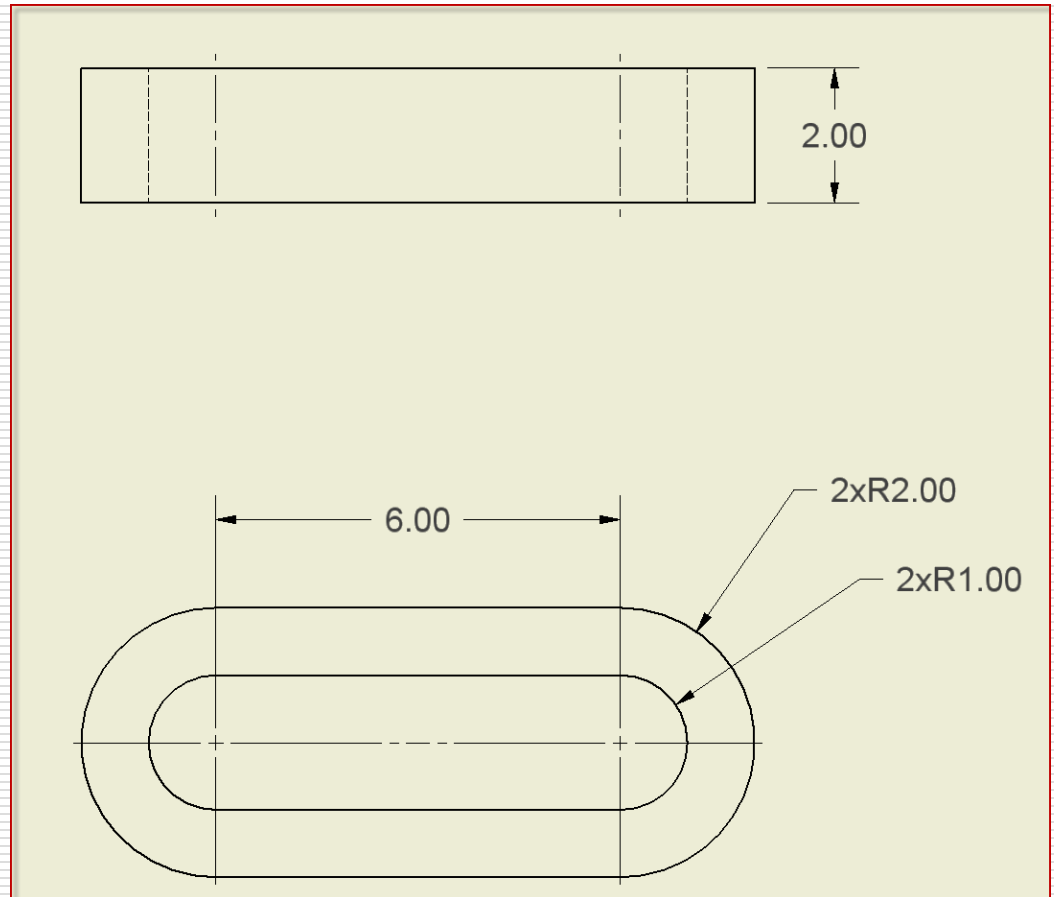
P9.1-3: Text

□ General Dimension



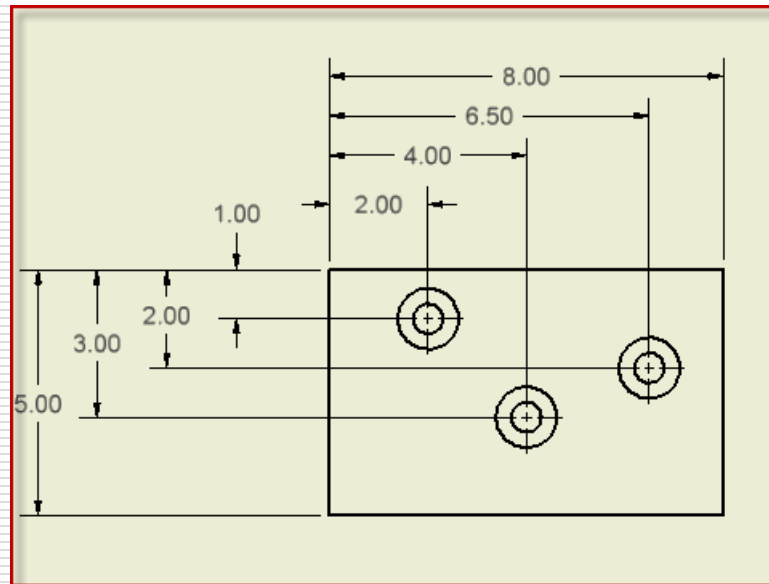
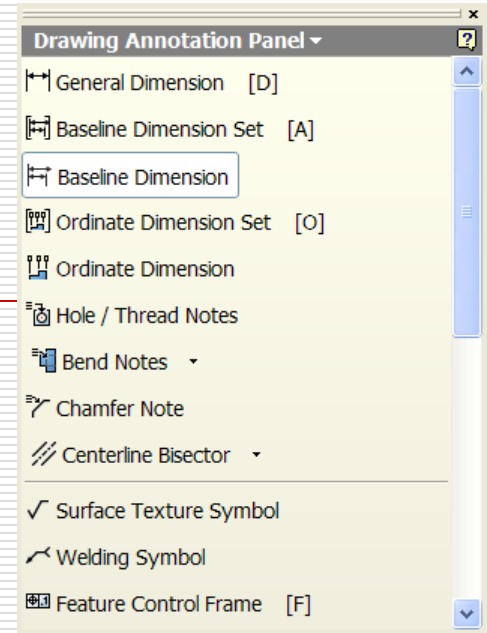
P9.1-4:

- Similar to previous



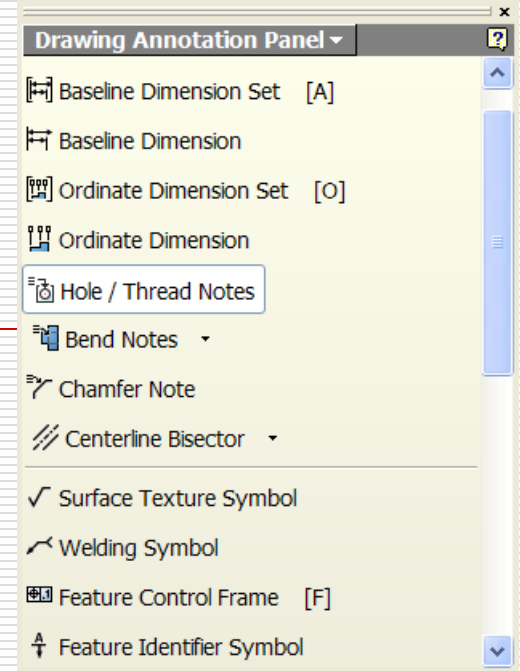
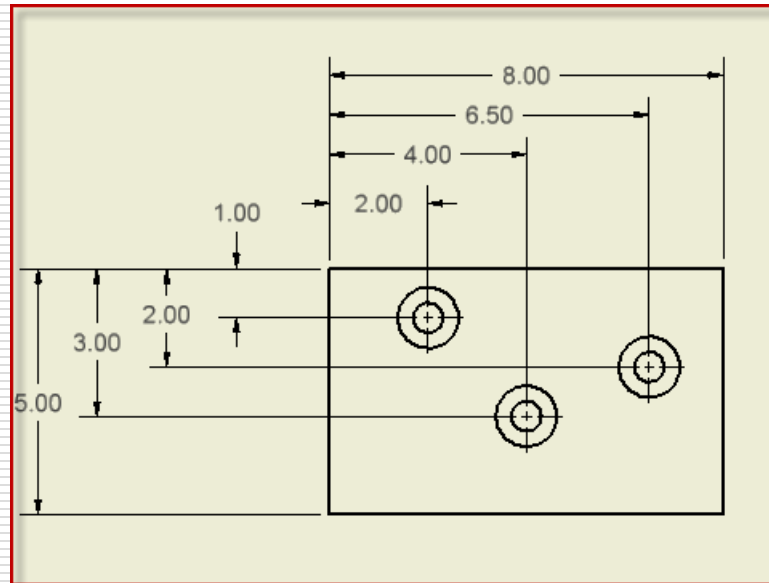
P9.1-5: Baseline Dims

- Select
 - all vertical references
 - Continue
 - Place the Dimension set



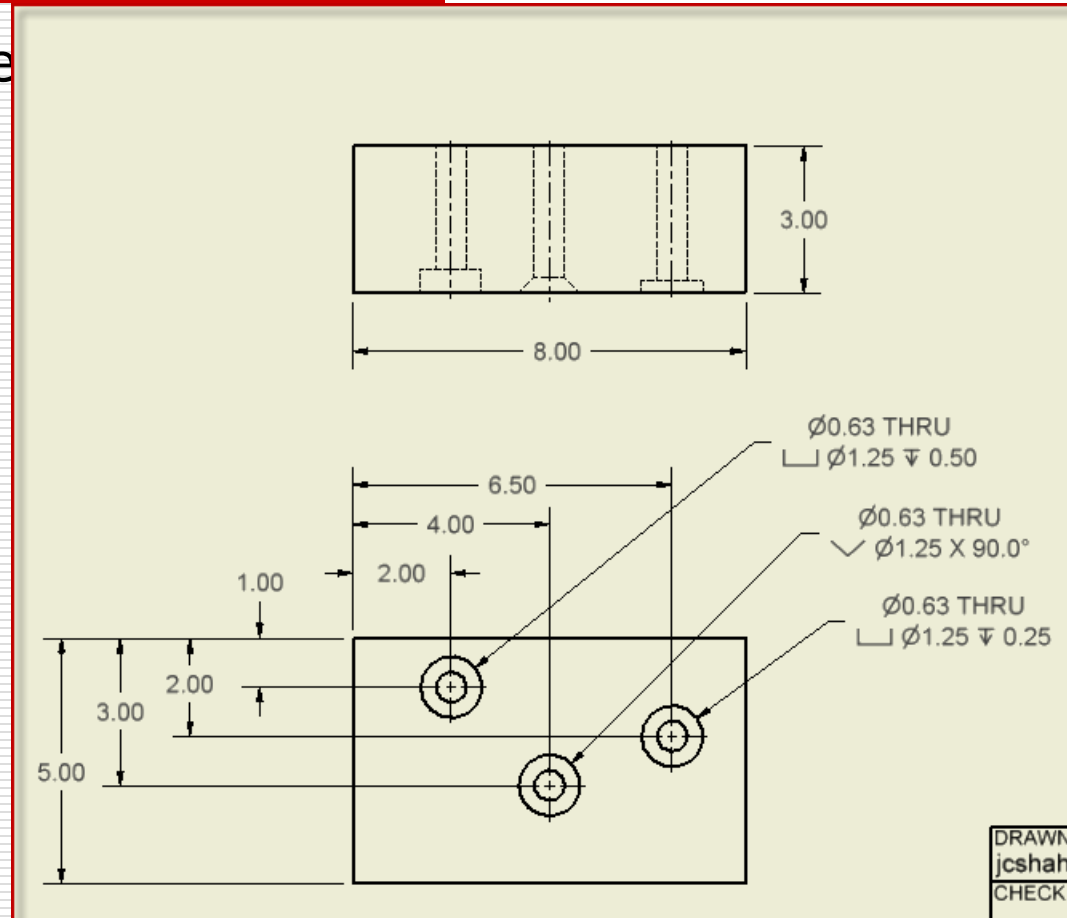
P9.1-5: Hole Notes

- Requires Hole Feature in the part model



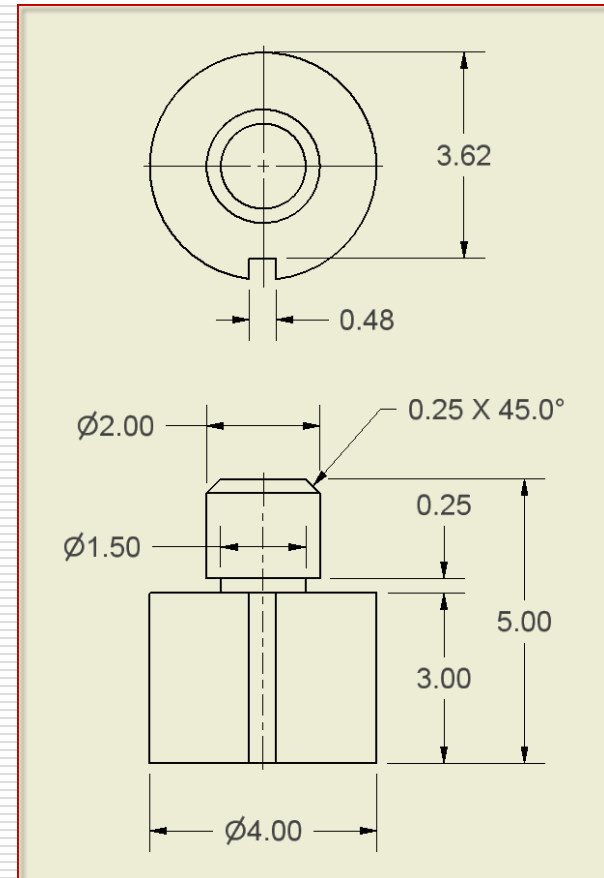
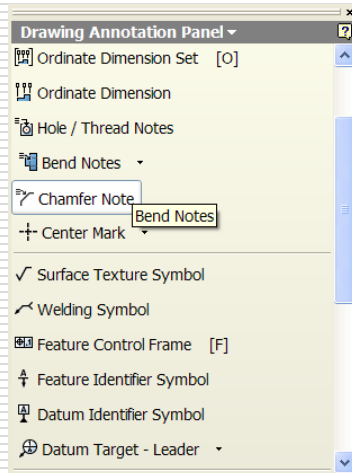
P9.1-5: Complete

- Requires Hole Feature model



P9.1-6: Complete

- Includes
 - ANSI standard Dimensions
 - Keyway
 - Chamfer
 - Cylindrical
 - Chamfer Note



Assignment: Part II

- Open the .idw:
 - AutomaticStop Plus.idw
- Add "Standard" Dimensions

AutomaticStop Plus: Complete

(Find the missing dimension)

