Three-Dimensional Modeling, IET-265 Name:Winter 2013, Week 9	
In Class Evaluation (ICE) Day and date:	
Screw, Plate, Iron Pipe, Screwdriver, Flashlight Housing, 90 points total	
Vote on the Revolved Features part image from Week 8 in the Design 0 website that you find exceptional. Vote for your first 3 choices by numb 1st 2nd 3rd place	-
The Screw ED 4.4 (20 pts) Use the image below, make modifications to	o vour Screw
model that you designed last week.	- ,
Completeness with	
symmetry, notice the R.0304	
new location of the	
Origin. (4pts)	
Material, AISI 316	
Annealed Stainless	35,000
Steel Bar (1pt) .09375	30.00
Correct starting plane,	
Front (2pts)	20
 Fully defined sketches with proper dimensions and sketch relation 	ons (2pts)
 Proper precision on appropriate dimensions (2pts) 	
Rename your features (2pts)	
Find the Mass, precision at 4 units after the decimal	(4pts)
Find the Center of Mass at 4 units after the decimal	
x, y, z (3pts)	
Extras and errors	
The Plate ED 4.0 (20nts)	
The <i>Plate</i> , ED 4.9 (20pts)	· hattam of the
 Completeness with symmetry, location of the Origin in the center revolved feature. (2pts) 	bottom or the
Material (1pt)	
Correct starting plane (1pt)	
 Fully defined sketches with proper dimensions and sketch relation 	one (2nte)
 Rename your features (1pt) 	πο (Ζριο)
 Find the Mass, precision at 4 units after the decimal 	(2nts)
Find the Wass, precision at 4 units after the decimal Find the Center of Mass at 4 units after the decimal	(Ζρίδ)
x, y, z(3pts)	
Change A to 70, B to 60 and C to 15 (3pts)	
 Find the Mass, precision at 4 units after the decimal 	(2pts)
Find the Center of Mass at 4 units after the decimal	(- /
x, y, z(3pts)	
• Extras and errors	

The Screwdriver, SG (10pts)

- Completeness with symmetry (1pt), locate the origin between the handle and the shaft. (1pt)
- Fully defined sketches with proper dimensions and sketch relations (2pts)
- Handle color (1pt)
- Rename your features (1pt)
- Proper Loft Feature (2pts)
- Loft Start/End Constraints, start Tangency to Face end Normal to Profile (2pts)
- Extras and errors

Iron Pipe, (30pts)

- Completeness with symmetry, location of the Origin (4pts)
- Material, Ductile Iron (2pts)
- Correct starting plane, Right (2pts)
- Use a value for the Outside Diameter of a 6 inch cast iron pipe from the Mueller Co (2pts)
- Loft Feature for the taper on the flange per the drawing using guide curves (2pts)
- Hole Wizard Hole, 13/16", Through All, on a 11.925" hole circle (2pts) circular pattern (2pts)
- Cut the Inside Diameter using data form the Mueller Co (2pts)
- Sweep Cut using the profile shown for a pipe gasket (3pts)
- Find the Mass, precision at 4 units after the decimal _____ (3pts)

•	Find the	Center of I	Mass at	4 units	after the	decimal

X,)	/, Z	(6pts)	
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Extras and errors

Extra Credit *Flash Light Housing* (10pts)

- Completeness with symmetry (4pts), location of the Origin (1pt)
- Material (1pt)
- Correct starting plane (1pt)
- Fully defined sketches with proper dimensions and sketch relations (3pts)