

SolidWorks, IET-265

Name: \_\_\_\_\_

Spring 2011, Week 2, Evaluation

Day and date: \_\_\_\_\_

*Block:*

- Units in inches, precision to 3 units after decimal, ANSI drafting standard (1 point)
- The part is symmetric about the front plane, using the dimensions shown (3 points), fully define this sketch (the *fixed* sketch relation is not an option), the cut on top is centered horizontally (1 point)
- On the left face a Hole Wizard feature, ANSI inch, 5/8" Socket Counter Sunk Head, Through All, hole is centered horizontally, fully defined hole location. (2 points)
- Apply cosmetic thread to hole on top, ANSI inch, Machine thread, 7/16-20, Blind to 1/2".
- Material aluminum of your choice (1 point)
- Rename your features (1 point)
- Determine the volume of this part, put in your email (1 point)

*Wrench*

- Material (1 point)
- Completeness, four features (4 points)
- Fully defined (3 points)
- Angled head (2 points)
- Extra credit for extra features and elements (0.5 points each)