EGR 110
Engineering Graphics
File: N110IA2

Inventor Assignment #2

Reading Assignment:
Read Chapters 1 & 2 in Parametric Modeling with Autodesk Inventor 2013, by Randy Shih

Computer Assignment:
Create a solid model of the object shown in Chapter 3, Problem 2 of the text according to the following specifications:

- Two sketches and two extrusions will be required to create the object. On each sketch, be sure to include sufficient dimensions to insure that the object is properly sized. This will require including additional dimensions. In each case where lines are tangents to arcs, be sure to include tangent constraints. All dimensions should be neatly placed.
- Add text under one of the sketches as follows:
  Your name
  EGR 110 – Engineering Graphics
  Inventor Assignment #2
  Textbook Problem 3.2
  Scale: 1=1
- Use ROTATE to rotate the final solid such that it looks similar to the figure shown in the text.
- Print both sketches using FILE - PRINT (before doing so make the sketch as large as possible on the screen and Show All Constraints). If any constraints are overlapping, drag a constraint box to a new location (near the feature). A ***tangent constraint*** should be shown where each line joins and arc.
- Print the solid using FILE - PRINT.
- Staple the three printouts together and submit them to the instructor.