AME 101 - Fall 2015

Graphics Lab Homework 3

Due Date: Friday, November 13, 2015 at 4:30pm.
Submit both hard and soft copies as follows:

1. Hard Copy: submit a printout (following the template on the course website, see http://ronney.usc.edu/AME101/AME101_Graphics_Lab_HW_template.doc) to the OHE 430N drop box by 4:30pm on the due date.
2. Soft Copy: email a compressed (zipped) folder containing all necessary files to AME101F15 at gmail dot com by 4:30 pm on the due date. Use the filename LastnameFirstname-HW3.zip, where of course Lastname = your last name and Firstname = your first name.

Problem 1

- Create the ball valve assembly with parts as shown in Figure 1A.
- A subassembly strategy is recommended. As shown in Figure 1B, you can create three subassemblies such as SideFlange, TopFlange, and BallShaft, and then assemble them with the body.
- All entities in the assembly must be fully constrained.

Figure 1(A)