* Complete the **Bending Torsion Tension Shear Tutorial** from the website.
  + Adjust the mesh size to a much smaller number and note the difference in deflection and stresses.
* Complete the **Pipe And Shield Design**.
  + Demonstrate iterative solution process.

# Deliverables:

**Save a single word document in your personal folder under ‘Submitted Problem Sets’ with the following:**

* **Screen captures and documentation** of the Bending Torsion Tension Shear Tutorial
* **Screen captures** of the Pipe and Shield Design including Von Mises stress values and material volume
* **Rationale behind your design for the pipe shield**
* **Answer the following questions:**
  + How could you use this type of FEA analysis in the real world?
  + What did you learn about the effects of element size?
  + What are two lessons learned about doing FEA analysis that you wish you knew  
    at the start of this project?