Geometric Constraints:

1. Create the following 2D profile on the front plane and then add your name, seat number, and instructor below the shape.
   a. Only use geometric constraints – no dimensioning allowed.
   b. The following constraints will be useful
      i. Equal
      ii. Parallel
      iii. Horizontal
      iv. Tangent
      v. etc.
   c. Use the trim function to clean up any unnecessary lines
   d. Select items and try to move them. Observe how the shape reacts and that will help you know which constraints are still needed.

2. Adjust the view of the profile to fill the page and print off in Sketching Mode so the constraint icons are visible.
   a. The icons will be difficult to read but just having the boxes will show that you have tried to add constraints to necessary places.
**Dimensional Constraints:**

1. Model the part shown in the figure below. This drawing comes from Problem 6.4(r) of the text.
   a. Plan ahead and start with a good base extrusion
   b. Use tangential constraints to create the edges that come off the rounded ends.

2. Adjust the viewing of the object to fill the page and print in landscape mode with your name, class time, and instructor.