

EN1740 – Assignment 2

Due: 2/9/12

This assignment will provide additional exercises using the Sketcher, Extrude and Revolve functions within Pro/E.

Part 1. Sketch the first letter of your first name and extrude it **1.00 unit**. Make sure all dimensions in the sketch are strong and no weak dimensions remain.

Part 2. Sketch the first letter of your last name and revolve it **180 degrees**. If you are like me and have duplicate initials, sketch the next letter in the alphabet (e.g. for Brian Burke, I'd extrude a "B" and revolve a "C"). Make sure all dimensions in the sketch are strong and no weak dimensions remain.

Please produce a powerpoint with the following:

- An image of the extruded letter
- The sketch that produced the extrusion, shown in sketcher mode
- An image of the revolved letter
- The sketch that produced the revolve, shown in sketcher mode

For submission:

- **Send the PowerPoint and Pro/E files to en1740.brown@gmail.com**
- **Print the PowerPoint and hand in at lecture**

For those unfamiliar with screen grabs, press Alt+PrtSc to Copy and then within PowerPoint, select Paste to drop in the image of the screen.

Notes:

- Those of you experience in Pro/E will know there is a function in Sketcher that will produce text. Please do **not** use this function for this assignment. The intent is to have you sketch and use the constraints to produce the letter.
- Be creative.

