

# MAE 3195, Credit Sheet 5, Tutorial Lesson 4

## Revolved Protrusions, Mirror Copies, Model Analysis

For this homework, read and work through Lesson 4 in your text *ProEngineer Tutorial*. Before you launch Pro/E, make a new sub-directory in your personal MAE3195 directory titled “HW5” and use HW5 as your working directory. When your book asks you to create a new part named “guide\_pin”, name the part “\*\*\*-hw5”.

Since this is a tutorial homework, each individual must perform this work independently. You are encouraged, however, to discuss the assignment with other students as necessary.

It is recommended (but not required) that you study the “Questions for Review” and create some of the “Exercise” models at the end of the chapter. After completing the lesson, answer the following questions and bring this Credit Sheet with you to class on the due date.

## Review Questions

1. In Sketcher, where are the *Trim* and *Extend* commands? What do they do?
2. What elements are required to create a revolved protrusion?
3. What are the options for setting the depth of a blind, both-sides protrusion?
4. When sketching with Intent Manager, why should you deal with and set up your constraints before setting up the dimensioning scheme? Why do you set the dimensions last?
5. List three ways that parent/child relationships might be created between two features while making a 2D sketch for a protrusion or cut.