ITP 308: Lab2

Setup

This will be your second lab. You will become familiar with:

- Dimensioning
- Sketch relationships
- Mirroring/Patterning
- Extrusions/Cuts

Requirements

Attached is a drawing schematic of the part I want you to design. It's a simple chair to be used by elderly people in the shower. It's made of a simple ABS plastic and is not terribly ergonomic or smooth.

Pay attention to the orientation of the part and make sure yours follows the same orientation. The thickness is 0.25" standard (notice the rib features). The holes are made using mirroring and patterning.

Unit system: IPS

Material: ABS Plastic (ABS in the material selection window). Should be colored white

Pay attention to the dimensions in the drawing carefully. You will have to infer some dimensions. Your sketches (all of them) must be fully defined.

Deliverables

Save your part file as: **lab2.SLDPRT**

Compress your file into a zipped file named: ***username*_lab2.zip**

Submit your zipped file to Blackboard

Rubric

You will be graded on the following things:

Item	Points
Part is oriented correctly	1
The seat of the chair is designed properly	3
Holes are patterned correctly	3
Legs are designed properly	3
Proper material selection	2
Total	12

*Note: Points will be taken off if you use the "Fix" relationship and if your sketches are under-defined