Week 1 Assessment:

1. What's the quickest way to learn more about each feature in the toolbar?

   Hover the mouse over it for a second, and a description of the feature will pop up.

2. Briefly describe the four foundational features. Feel free to draw pictures if it helps:

   a. *Extrude: This geometry is created when a <u>constant cross section</u> is extruded in a <u>straight direction</u>:*
   b. *Revolve: This geometry is created when a <u>constant cross-section</u> is revolved around an <u>axis of revolution</u>.*
   c. *Sweep: This geometry is created when a <u>constant cross-section</u> is <u>swept along a path</u>.*
   d. *Loft: This geometry is created when <u>multiple cross sections</u> are smoothly <u>connected together</u>.*

3. What is the default geometry in a Part Studio?

   The origin and three orthogonal planes: Top, Front, Right.

4. What's the difference between a box select from Left-to-Right and a box select from Right-to-Left?

   L-R = selects everything within the box, R-L = selects everything the box touches.

5. Can a document in Onshape have multiple Part Studios?

   Yes.