# 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.*

1. Briefly describe the four foundational features. Feel free to draw pictures if it helps:
   1. *Extrude: This geometry is created when a constant cross section is extruded in a straight direction:*
   2. *Revolve: This geometry is created when a constant cross-section is revolved around an axis of revolution.*
   3. *Sweep: This geometry is created when a constant cross-section is swept along a path.*
   4. *Loft: This geometry is created when multiple cross sections are smoothly connected together.*
2. What is the default geometry in a Part Studio?

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

1. 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.*

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

*Yes.*