Week 2 Assessment:

1. Describe in your own words, what is design intent?

   Design Intent is the practice of developing your project's objectives and requirements even before working on your design.

2. What is the difference between sketch entities that are colored blue, black, and red?

   Blue means it is underconstrained, black means it is fully constrained, and red means it is overconstrained.

3. What is automatic inferencing, and how is it utilized?

   When Onshape automatically assigns constraints to sketch entities while sketching. It can be activated by hovering over an existing entity, or temporarily turned off by selecting the [shift] key.

4. Which feature is this and what is it used for: ?

   This is the plane tool, used to create new planes in addition to the default Top/Right/Front planes.

5. How are fillets and chamfers similar? How are they different?

   They are the same in that both features are applied to edges only, they are different in that a fillet creates a round profile, and a chamfer creates a flat profile.