# 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.*

1. 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.*

1. 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.*

1. 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.*

1. 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.*