

Week 11 Assessment:

1. Name 2 typical real-world applications for a “Loft” feature.

Fan blades, aircraft wings, propellor, other aerodynamic applications, etc.

2. Which sketch tool is the best for tracing over curvy lines?

Spline.

3. What does it mean to “emboss” text onto the surface?

It is when the text is either raised, or sunken, into the surface of a part.

4. What is a common application of a “Helix” feature?

To model a spring, or a threaded surface.

5. What does it mean to “Branch and Merge” a design in Onshape?

Generally speaking, “branching” and “merging” are tools used in concurrent design, where design variations are investigated at the same time. A “Branch” represents one of the several design options, and a “Merge” is when two design options are combined, where the result has the design features of both options.