Week 8 Assessment:

1. Why was a Mate Connector specifically created in a Part Studio for the Bluetooth Speaker?

   In the battery part studio, there was no locating geometry (since the batteries just float in the speaker frame compartment) so one was created using a sketch as a reference to aid in assembly.

2. What does "Reorient Secondary Axis" mean, and when is it used?

   It allows a Mate in Onshape to be rotated around its Blue axis. It is used when the part being assembled is not clocked in the correct direction.

3. What is Snap Mode, and why would it be used?

   Snap Mode allows parts which are being inserted into an assembly to have a fastened Mate be created "on the fly". This is particularly helpful when assembling hardware, and can save a lot of time.

4. When is a Mate Group used?

   When you want to treat multiple parts as a subassembly, and prevent relative motion between the parts.

5. Can replicate be used to mate across multiple parts, or only to multiple locations on the same part?

   Across multiple parts.