# Week 4 Assessment:

1. What is the difference between a fixed and a moveable assembly in Onshape?
2. What is so unique about the Mate Connector in Onshape?
3. How many degrees of freedom do the following Mates have?

|  |  |
| --- | --- |
| Mates | Degrees of Freedom |
| Fastened |  |
| Revolute |  |
| Slider |  |
| Planar |  |
| Cylindrical |  |
| Ball |  |

1. When a Mate is initially defined, does Onshape solve the entire model, or just that Mate?
2. What is a Relation? Provide 2 examples.