**Simulation – (Simbucket Double Slit Interference)**
Simulator: [www.simbucket.com](http://www.simbucket.com) -> Lens and Mirror lab

**Initial setup:**
- Select mirror option
- Start object at 3f (3 x the focal length)

**Questions:**
1. Investigate the relationship between **object distance** and **image magnification**. Write a concluding statement.
2. Investigate the relationship between **focus distance** and **curvature of mirror**. Write a concluding statement.
3. Investigate the relationship between **focus distance** and **object distance**. Write a concluding statement.
4. Explain what happens to image when the object is placed between the focal point and mirror.
5. Use the simulator to draw 2 ray diagrams (object at 3f, 2f)