This semester, one of our topics we, as a class, were learning about was Engineering Drawing. Engineering Drawing is a type technical drawings of an object that consists of a variety of types of drawings. First off, you are given an object and asked to draw the object with its three multi-purpose views which are the Top View, Front View, and Right View. From that, we were then asked to draw each of those views with the correct types of lines, in the correct places, and with the correct dimensions in the appropriate spots.
After we had mastered the Multi-Purpose Drawings, we then moved on to the Isometric Drawings. In other words, we were working backwards. We were given the three multi-purpose views and asked to draw the correct, 3-dimensional, solid figure.
The last topic we focused on in the Engineering Drawing portion of this class was learning how to draw circles in an isometric plane and how to identify the correct Section View of an isometric drawing with many complex “inner parts” that cannot be seen from regular multi-purpose views. Stemming off of the Section views, we learned the correct Section Lining for different materials and correct placement of those lines. We also briefly discussed how to draw these Section Views.