**Engineer Drawing**

This component of the Engineer Design course was my favorite. We covered many topics including multi-view, isometric view, and section view! I enjoyed the challenge of picturing the different shapes and having to draw them at a variety of angles.

**Multi-View**
- To begin the class, we were responsible to take a drawing of which we knew the height, width, and depth and draw the views from the top, front, and right of the object
- An example is given below

![Completed three-view sketch](image)

- In order to complete these drawings correctly, we had to know the difference between object, hidden, center, and dimension lines.

**Isometric View**
- The next part of the class consisted of taking the three-view sketches and converting them into a single drawing of the object
- Essentially, we were doing the opposite of what we did with the multi-view drawings
- Examples are shown below

![isometric examples](image)

- In these exercise, we were to look at the three drawing and be able to draw the shape in the top right corner of each image.
• We also learned how to draw ellipses on inclined surfaces as shown below

Section View
• Next we looked at views of drawing that showed an area or hidden part of the object by cutting away or removing some of the object

• Above is an example of a full section view. We also covered half section views.