

**Assignment #4: Drawing in Microsoft Office**

Due on March 3, 2023. Note the extended deadline!

Create your drawings in PowerPoint or Word. When each is done, group them and re-scale them so that all five drawings are on a single page (Word) or slide (PowerPoint).

- For each of the two 3-view drawings from assignment #3 shown below, *duplicate* the isometric drawing. Attempt to shade each drawing with some unique color (graduated shading is not required; solid shading is OK). Note that bolder colors are worse shading colors.  
Hint: You should keep a separate copy of both an ellipse and an arc that have an aspect ratio of  $\sqrt{3}$  available somewhere for copy-and-paste purposes. You'll need lots of them!
- For each of the two isometric drawings from assignment #1 shown here, create the isometric drawing. Shade each as discussed above.
- On the reverse side of this sheet are 5 drawings from my CAPA library of *Applied Mechanics* homework problems. Pick one, and reproduce it. Pay attention to shading, line widths, and font sizes. Not all are of equal difficulty, so choose the one that you think will be of greatest value to you.
- Unless you already have Photoshop installed on your laptop (which is expensive), go to <http://www.gimp.org/downloads/> and obtain the free image-processing software "Gimp". Then, make sure it runs OK.
- Also on your laptop, please install the ImageJ program, from <http://imagej.nih.gov/ij/>. Test that it runs before coming to class.



