1. Using Solidworks, create this part using the information and dimensions provided. Use relations wisely to maintain the design intent. Use sweep features, these require a path and a section.
   - Units: millimeters
   - The Cotter Pin uses a path that describes the inner edge of the sweep.
   - Use the following graphics with the design intent to create the part.
   - Print Screen the 3-ortho views as big and clear as possible along with the isometric view and submit in printed form, do not email. Any missing dimensions are arbitrary.

SECTION A-A
SCALE 8 : 1
(CROPPED)
2. Using Solidworks, create this part using the information and dimensions provided. Use relations wisely to maintain the design intent. Use sweep features, these require a path and a section.

- Units: **millimeters**
- The Paper Clip is defined by a path that describes the centerline of the sweep.
- Use the following graphics with the design intent to create the part.
- Print Screen the 3-ortho views as big and clear as possible along with the isometric view and submit in printed form, do not email. Any missing dimensions are arbitrary.
3. Using Solidworks, create this part using the information and dimensions provided. Use relations wisely to maintain the design intent. The Mitered Sweep is defined by a path that describes the outer edge of the sweep.

- **Units**: millimeters
- Use the following graphics with the design intent to create the part.
- Print Screen the 3-ortho views as big and clear as possible along with the isometric view and submit in printed form, do not email. Any missing dimensions are arbitrary.
4. Using Solidworks, create this part using the information and dimensions provided. Use relations wisely to maintain the design intent.

- Units: **millimeters**
- Use an ellipse to create the part.
- Create a new mm part. All **Countersink** holes are for an **M3 Flat Head Machine Screw**.
- Create the geometry as shown in the following steps.
- Print Screen the 3-ortho views as big and clear as possible along with the isometric view and submit in printed form, do not email. Any missing dimensions are arbitrary.