

Test4

Auxiliary Views

The student should be able to:

- Draw the first auxiliary view of an inclined surface along with the other views (TOP, FRONT, and SIDE).
- Label each view including the auxiliary view.
- Understand that most of the time only the inclined surface is drawn and not the items in the background.

Descriptive Geometry

The student should be able to:

- Project points from one view to another.
- Find the true length of a line.
- Find the true shape of any inclined plane.

Dimensioning and Working Drawings

The student should be able to:

- Completely dimension an object according to the ANSI standards.
- Dimension without double dimensioning.
- Create horizontal, vertical, aligned, rotated dimensions.
- Dimension holes, counterbored holes, arcs, and fully and partially rounded ends.
- Use notations such as TYP and 2x, etc.
- Place dimensions in the best view.
- Know the difference between Detail, Assembly, and Assembly Working drawings.
- Add notes.
- Dimension finished surfaces.
- Determine what views are necessary.