

Exercise 1: Projections of Oblique Planes

Using several methods associated with descriptive geometry, students will generate oblique plane figures, then rotate the planes of projection to find the 'true' shape of each oblique. The exercise will begin with an ambiguous set of four traces, from which students will construct a figure and a second set of traces, thereby defining a plane in space. After this plane is defined, and projected from edge and frontal positions, students will carefully graft additional plane figures to the first. The result will be a composite drawing that describes the genesis of a faceted surface.

Exercise 1 Supply List

- medium/large right triangle and adjustable triangle
- at least 4 different good, hard colored pencils (prismacolor verithin, mech. OK)
- good sharpener
- 0.3mm mechanical pencil
- erasers
- divider
- compass
- paper: Bristol pad, smooth/vellum finish 18"x24" min.
- drafting tape or dots

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