

Review Final

Exploratory Engineering & Design

7/14/87

Drafting Terminology

- Straight edges
- Size of paper
- Types of lead
- Use of drafting tools
- Drawing with a pencil
- Requirements to be a draft person
- Single gothic stroke lettering

Matching equipment to a correct name

Multiple Choices

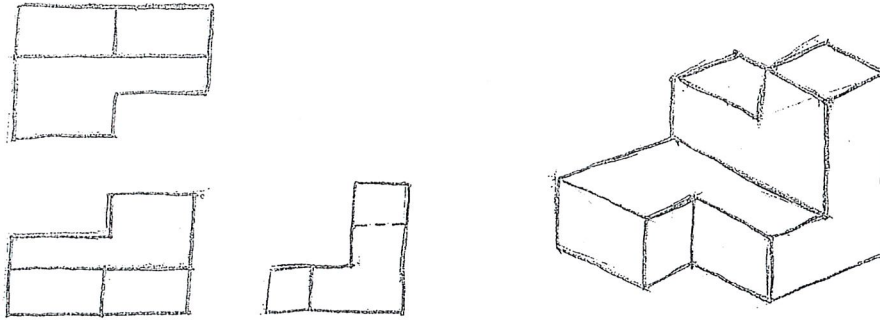
- Cubes and spheres
- Isometric Drawings & Hidden lines
- What factors determine the front view
- Line types
- Measurements

Matching

- Identify the correct order of views in a multiview
- Know the six steps in making an isometric
 - 1 Establish the isometric axes
 - 2 Lay out the length, depth and height
 - 3 Draw the three dimensional box
 - 4 Draw the features of the object
 - 5 Erase the excess lines
 - 6 Darken in all outlines

- Given a three view drawing match it to the correct isometric drawing.

Example:



Multiple Choices

- Converting grams to kilograms
- Determine the amount of force a bridge can take before it breaks. Expressed in Newton's
- Interpret and read two graphs to determine bridge weight and bridge strength.

Understand maths

Vocab Words & Phases

- | | |
|---------------------------|--|
| - Visualization | Dimensional Box |
| - Implementation | Excess Lines |
| - Convenient | Highest Strength holding the most weight |
| - Fractional measurements | Isometric Axis |
| - Enables | Force = mass x Acceleration |
| - Strength / Weight ratio | Sphere |
| - Drafting style | |