

Drafting 1

Semester 1 Review

- List three important reasons for sketching.
- What is your first important decision when sketching an object?
- Describe the proper procedure for creating a sketch.
- Describe the proper procedure for creating a drawing.
- Describe the alphabet of lines?
- List four types of lines used in drawings and sketches.
- How many line widths or thicknesses are generally used in drafting?
- If two different types of lines appear in the same place, which should be drawn?
- Describe the tools commonly used for drafting including pencil/lead holder, eraser, erasing shield, scale, triangle, parallel bar, compass, divider, and templates.
- How is the hardness of lead designated?
- What hardness of lead should be used at each step of a drawing?
- Describe the style of lettering used in drafting.
- Describe the process of lettering in drafting.
- List the information typically included in a title block.
- Which type of drawing gives the most accurate shape description of an object?
- What is orthographic projection and how is it used?
- What are the three primary views in a multiview drawing and how should they be positioned relative to each other?
- How do you determine how many views an object requires?
- Describe basic geometric shapes including triangle (acute, right, obtuse, isosceles, and equilateral), square, rectangle, pentagon, hexagon, octagon, circle (and their quadrants and tangents), and ellipse.
- To describe an object completely, a drafter needs to define both the _____ and the _____ of the object.
- What is another name for size description?
- Describe the types of lines used for dimensions.
- Describe the process of placing dimensions on a drawing including the position of lines and the size and position of text and arrowheads.
- Describe the appropriate use of a leader for dimensions and notes.
- Describe the use and options of these AutoCAD draw commands: Line, Circle, Arc, Rectangle, Polygon, and Ellipse.
- Describe the use of these AutoCAD tools: Help, Undo, Zoom, Pan, and Properties.
- Describe the use and options of these AutoCAD settings: Snap, Grid, Osnap, and Ortho.
- Describe the use and options of these AutoCAD modify commands: Erase, Copy, Mirror, Offset, Move, Rotate, Trim, Extend, Fillet and Chamfer.
- Describe the use of absolute coordinates and relative coordinates.
- List the keyboard shortcuts for basic AutoCAD commands.
- Describe the use of toolbars.
- Describe the procedure for changing linetype.