

Name:

Drafting & Design: Section 1 – Chapter 5: Sketching, Lettering, and Text

1. Most drafters and engineers use _____ sketching to “think through” solutions to drafting problems before starting an instrument drawing.
2. Graph paper is available in varying _____ sizes.
3. When sketching, the point of the pencil should extend approximately _____ inches beyond your fingertips.
4. When sketching straight lines, your eye should be on the point where the line will _____.
5. Horizontal lines are sketched with a movement that keeps the forearm approximately _____ to the line being sketched.
6. _____ lines are sketched from top to bottom.
7. All straight lines that are not horizontal or vertical are drawn as _____ lines.
8. Name four methods of sketching circles and arcs.

9. When sketching an ellipse, which method involves using only your hand-eye coordination and judgment?

10. A(n) _____ curve may be sketched freehand by connecting a series of points at intervals of ¼” to ½” along the path of the curve.
11. _____ is the relation of one part to another, or to the whole object.
12. Hand _____ is the process of placing text on a drawing.
13. In CAD drafting, lettering is created as _____.
14. Which pencil hardness is generally used for lettering?
 - A. 6B-2B
 - B. HB, F, or H
 - C. 2H-4H
 - D. Any hardness is acceptable.

15. Name the four general groups of hand lettering styles.

16. _____ lettering is the standard style used in drafting.

17. What lines are used in freehand lettering to maintain uniformity in height and slope?

18. To achieve the appearance of stability, place the horizontal bar on letters such as “B,” “E,” and “H” slightly _____ center.

19. Words should be separated by a space equivalent to the letter _____.

20. Uppercase letters and whole numerals are usually a minimum of _____ inch in height for notes.

21. _____ are used to supplement the graphic information provided on a drawing.

22. Freehand inked letters should be made with what time of pen?

23. What is a Leroy lettering device used for?

24. When using CAD, _____ commands are used to place text on a drawing.

25. A(n) _____ is a named typeface that refers to the appearance of text.

26. Name five basic CAD justification options for text strings.
