

Chapter 4 Questions

True/False

Indicate whether the statement is true or false.

- ___ 1. An engineer's scale is based on 10 units to the foot.
- ___ 2. A drawing of an object made at 1/8 size will be larger than a drawing made at 1/2 scale.

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- ___ 3. The ___ is used to draw circles and arcs.
 - a. dividers
 - b. protractor
 - c. compass
 - d. irregular curve
- ___ 4. In drafting terminology, a "half size" drawing means _____.
 - a. 1/4" on the drawing equals 1'-0"
 - b. 1/2" on the drawing equals 1'-0"
 - c. the drawing is only half as large as the object in real life
 - d. None of the above.
- ___ 5. A(n) ___ line should be light and *not* reproduce on a print.
 - a. construction
 - b. object
 - c. hidden
 - d. hatch
- ___ 6. The acronym CADD stands for _____.
 - a. computer-aided drafting and design
 - b. coded architectural drafting and design
 - c. cost analysis design differences
 - d. computer-assisted detail drawing

Short Answer - Choose Two

Provide complete responses to two of the following questions or statements.

- 7. List the three principal views in orthographic projection.
- 8. Identify the two things required for freehand sketching.
- 9. List the elevations that architectural drafters normally draw.
- 10. Triangles are used to draw lines that are not horizontal. Name the two triangles most commonly used by drafters.
- 11. When lettering, what is a good rule to follow in spacing words?

Matching

Match each of the following line types to its description.

- | | |
|------------------------|----------------------|
| a. guidelines | f. centerlines |
| b. cutting-plane lines | g. border lines |
| c. hidden lines | h. short break lines |
| d. construction lines | i. dimension lines |
| e. object lines | |

- ___ 12. Objects that are not visible.
- ___ 13. Used to show location and size.
- ___ 14. Freehand line.
- ___ 15. Forms a boundary.
- ___ 16. Indicates the center of symmetrical objects.
- ___ 17. Interior walls, steps, and doors.
- ___ 18. For the drafter's use.
- ___ 19. Shows where the object is to be sectioned.
- ___ 20. Used in hand lettering.

Completion

Complete each statement.

21. The front view of an object in mechanical drawing is the same as the _____ elevation in architectural drawing.
22. The divisions of the architect's scale are based on _____ units to the foot, and the engineer's scale is based on ten units to the inch.
23. One-half scale means that _____ on the drawing is equal to 1'-0" on the object.
24. _____ devices are used when uniformity of letters is essential.
25. Thin lines used to show that *not* all of the part is drawn are _____ break lines when the break is two to three inches in length.
26. _____ lines or crosshatch lines are used to show that the feature has been sectioned.
27. Two lines that should be drawn lightly and are only for the drafter's use are guidelines and _____ lines. All other lines should be dark in order to reproduce well.