

Name:

Drafting & Design: Section 2 – Chapter 8: Multiview Drawings

1. What is a multiview drawing?

2. In a multiview drawing, the top view always appears above which view?

3. Another name for the multiview drawing process is _____.

4. What are the three principal projection planes?

5. The _____ plane is considered to be lying in the plane of the drawing paper.

6. A _____ is defined as something having position, but not extension.

7. A _____ is defined as the shortest distance between two points.

8. Name the four basic types of straight lines found on objects in drawings.

9. _____ lines are parallel to both the frontal and profile planes.

10. _____ lines are parallel to one plane of projection and inclined in the other two planes.

11. _____ lines are neither parallel nor perpendicular to any of the planes of projection.

12. Horizontal surfaces are parallel to the horizontal projection plane and appear in their true size and shape in the _____ view.

13. Oblique surfaces are neither parallel nor _____ to any of the planes of projection.

14. A regular cylinder will appear as a circle in one view and as a _____ in the other views.

15. When making a multiview drawing, which view should best describe the shape of the object?

16. Flat objects made from relatively thin sheet stock may be adequately represented with only one view by indicating what information on the drawing?

17. Name four factors that serve as guidelines in the selection of views when making multiview drawings.

18. Surfaces and intersections that are hidden behind a portion of the object in a particular view are usually represented by _____.

19. _____ lines take precedence over all others.

20. A small, rounded, internal corner is known as a _____, while a small, rounded, exterior corner is known as a _____.

21. A(n) _____ is the intersection of a fillet or round with another surface.

22. In orthographic projection, there are two common methods used for making drawings. These methods are referred to as first-angle projection and _____ projection.

23. _____ projection is the orthographic projection method used in the United States and Canada.