

Name:

Drafting & Design: Section 1 –

Chapter 2: Traditional Drafting Equipment and Drawing Techniques

1. The process of making technical drawing using instruments, templates, scales, and other mechanical equipment is called _____ drafting.
2. _____ is used to draw vertical and inclined lines.
3. A _____ combines the functions of the T-square, straightedge, triangles, protractor, and scales into one tool.
4. Materials used in the preparation of drawings or tracings are called _____.
5. _____ is referred to as transparentized or prepared tracing paper.
6. Name three types of drawing pencils.

7. What is the range of drawing leads based on hardness?

8. Name the two types of points used on drafting pencils.

9. The American Society of Mechanical Engineers (ASME) standard for drawing lines accepted throughout industry is known as the _____.
10. Object lines are also known as _____ lines.
11. Hidden lines start and end with a _____.
12. What is another name for section lines?

13. What do centerlines represent?

14. Lines used to indicate the extent and direction of dimensions are known as _____ lines.
15. _____ lines are used to limit a partial view of a broken section.

16. What is *ghosting*?

17. What are the two basic shapes that scales are made in?

18. A scale that has all units subdivided along the entire scale is said to be a(n) _____ scale.

19. What type of scale would you most likely use to draw a floor plan for a residence?

20. The _____ engineer's scale is an open-divided scale useful in drawing machine parts where the dimensions are in inches or fractional parts of an inch.

21. The basic unit of length in the metric system is the _____.

22. A scale of $\frac{1}{4}'' = 1'-0''$ is commonly referred to as _____ scale.

23. The _____ is usually located in the lower-right corner of the drawing just above the border line.

24. When drawing a line, the pencil should be _____ in the direction the line is being drawn.

25. A _____ is used to measure and mark off angles that cannot be measured with a T-square and triangles.

26. What instrument is used to draw circles and arcs?

27. Commonly used characters and symbols may be drawn using drafting _____.

28. _____ are used to transfer distances and to divide straight and circular lines into equal parts.

29. What device is used to draw smooth curves through plotted points?
