

Name:

Drafting & Design: Section 1 – Chapter 3: Introduction to CAD

1. The acronym CAD stands for_____.
2. CAD _____ consists of the instructions that make the hardware perform the intended tasks.
3. What is the main reason for using CAD?

4. A(n) _____ is a collection of standard shapes and symbols typically grouped by application.
5. In CAD, objects are most always drawn at _____.
 - A. Half size.
 - B. Any scale.
 - C. True size.
 - D. Quarter scale.
6. In mechanical drafting, presentation drawings usually consist of _____ or _____ views.
7. A CAD _____ generally consists of a computer or processor, monitor, graphics adapter, input and pointing device, and hard copy device.
8. An input device that all CAD systems have is the_____.
 - A. Puck
 - B. Keyboard
 - C. Light pen
 - D. None of the above.
9. The size of a _____ is measured diagonally, just like a television screen.
10. The _____ is the device that transmits data from the CPU to the monitor.
11. The monitor is the most common _____ device of a computer workstation.

12. Which of the following is an advantage of a pen plotter?

- A. It can produce renderings.
- B. Its operation is very fast.
- C. It produces very high-quality line reproductions in color.
- D. None of the above.

13. What are the three broad groups of CAD programs?

14. _____ are the basic elements used in creating CAD drawings.

15. Materials such as brass, steel, and glass are shown as _____ patterns in a section view.

16. Which of the following is *not* an editing function?

- A. Erasing.
- B. Rotating.
- C. Dividing.
- D. Drawing.

17. _____ are similar to transparent drawing sheets on which you can draw.

18. What are the two basic types of 3D models?

19. In 3D modeling, a _____ is created by extruding a profile along a path.

20. Most AEC CAD packages provide automatic schedule generation where the information is taken from the _____ of objects or symbols in a drawing.

21. One of the most powerful applications of building information modeling is the ability to automatically generate different types of _____ drawings from the model as needed.