

Name:

Drafting & Design: Section 2 – Chapter 10: Section Views

1. A section view is a view “seen” beyond an imaginary _____.
2. What purpose is served by the arrowheads at the ends of a cutting-plane line?

3. The exposed (cut) surface of a section view is indicated by _____ lines.
4. In CAD drafting, section views are drawn with crosshatching patterns using what command?

5. Section lines should be drawn at an angle of _____ degrees to the main outline of the view.
6. Section lines should be spaced approximately _____ to _____ apart.
7. In general, are object lines behind the cutting plane shown in the section view?

8. Name five types of section views that are commonly used in drafting.

9. In a(n) _____ section, the cutting plane passes entirely through an object.
10. In a(n) _____ section, cutting planes are passed at right angles to each other along the centerlines or symmetrical axes.
11. A(n) _____ section is obtained by passing a cutting plane through the centerline or axis of the part to be sectioned.
12. A(n) _____ section is one that has been moved out of its normal projected position in the standard arrangement of views.
13. The cutting plane for a(n) _____ section is “stepped” to pass through features that lie in more than one plane.
14. In a(n) _____ section, features such as spokes, holes, and ribs are drawn as if rotated into, or out of, the cutting plane.
15. A(n) _____ section is an auxiliary view that has been sectioned.

16. What is another name for a phantom section?

17. The conventional breaks for cylindrical bars and tubing are known as _____ breaks.

18. Which feature is typically not sectioned when the cutting plane extends along the length of the feature?

A. Gear tooth

B. Lug

C. Rib

D. None of the above features are typically sectioned.

19. The section title always appears directly _____ the section view.

20. In CAD drafting, adding section lines is called _____.

21. In CAD drafting, which pattern is used for cast iron and general purpose section lining?

22. In CAD drafting, a _____ consists of the lines, circles, and other objects that border the area to be filled with a section pattern.