Chapter 14 Review

Model Display, Documentation, and Analysis

**Name:** **Click here and type your name**

Click in the shaded area and type your answer for each question. Use the [Tab] key to move from one answer field to the next.

1. Which option of the VIEWBASE command is used to change the default view when placing the base view?

Click here and type your answer

2. Explain how to change the default projection used by AutoCAD when placing drawing views.

3. Explain two ways to place a projected view.

4. Describe two ways to locate the section line when creating a section view with the VIEWSECTION command.

5. When creating a section view with the VIEWSECTION command, what controls the appearance of elements in the section identifier and section view label?

6. What command is used to edit a section view?

7. What are the two types of detail boundaries that can be used when creating a detail view?

8. What option of the VIEWDETAIL command allows you to create a smooth edge for the detail view and include a border?

9. To what value should the DIMASSOC system variable be set in order to dimension drawing views with associative dimensions?

10. What does the SECTIONPLANE command create?

11. How is the Face option of the SECTIONPLANE command used?

12. Which option of the SECTIONPLANE command is used to create sections with jogs?

13. When a section object is created by picking a face or two points or using the Orthographic option of the SECTIONPLANE command, which section object state is established?

14. Which section object grips are used to accomplish the following tasks?

A. Change the section object state.

B. Lengthen or shorten the section object segment.

C. Rotate the section view 180°.

15. How is live sectioning turned on or off?

16. Which category in the Section Settings dialog box provides control over the material that is removed by the section object?

17. What are the two types of section view blocks that can be created from a section object?

18. What is the function of the MASSPROP command?

19. What is the extension of the ASCII file that can be created by MASSPROP?

20. What command is used to graphically analyze surface continuity in a model?

21. Briefly explain how to set values defining the acceptable curvature range when using the ANALYSISCURVATURE command.

22. Which commands export and import solid models?

23. Which type of file has an .stl extension?

24. What is the purpose of the 3DPRINT command?

25. What is a point cloud?

26. Name at least three applications for which a point cloud can provide accurate data for design and modeling purposes.

27. In Autodesk ReCap, what is the name of the process in which scan files are converted to point cloud files?

28. What is registration?

29. What is a scan region?

30. What command is used to attach a point cloud in AutoCAD?