

AutoCAD 2009: One Step at a Time

Lesson 1: In the Beginning

09R1

Exercises

1. Set up a nautical drawing
 - 1.1. Create a new drawing with the following parameters:
 - 1.1.1. You'll use engineering units on your drawing;
 - 1.1.2. Assume a 1"=25' scale;
 - 1.1.3. You'll plot on a D-size (24x36) sheet of paper;
 - 1.1.4. You'll want angles measured clockwise with 0°North;
 - 1.2. Save the project as *Nautical.dwg* in the C:\Steps\Lesson01 folder.

Create a few templates to use later in this course.

2. Create a template with these parameters:
 - 2.1.1. Use architectural units;
 - 2.1.2. Use a 1=1 scale (this requires no setup; it is the default);
 - 2.1.3. Set up for a sheet size of 8½ x 11;
 - 2.1.4. Save this project as *MyBase1.dwt* in the C:\Steps\Lesson01 folder.
3. Create a new template with the following parameters:
 - 3.1.1. Use architectural units;
 - 3.1.2. Use a 1=1 scale;
 - 3.1.3. Set up for a sheet size of 11x17;
 - 3.1.4. Save the project as *MyBase2.dwt* in the C:\Steps\Lesson01 folder.
4. Create a third template with the following parameters:
 - 4.1.1. Use architectural units;
 - 4.1.2. Use a 1=1 scale;
 - 4.1.3. Set up for a sheet size of 17 x 22;
 - 4.1.4. Save the project as *MyBase3.dwt* in the C:\Steps\Lesson01 folder.
5. Create templates for the followings scales and sheet sizes. Save the templates in the C:\Steps\Lesson01 folder.

<u>Settings</u>	<u>Units</u>	<u>Scale</u>	<u>Sheet Size</u>	<u>Saveas</u>
English	Architectural	¼"=1'	34x22	D 1_4 Arch
English	Architectural	3/8"=1'	17x11	B 3_8 Arch
English	Decimal	¼"=1'	22x17	C 1_4 Dec
English	Decimal	3/8"=1'	17x11	B 3_8 Dec
Metric	Decimal	1=1	841x594	Meta1

Please write your answers on a separate sheet of paper.

1. (T or F) Drawing to scale is very important when using a CAD system like AutoCAD.
2. What is the AUI?
3. A _____ is a series of commands responding to a single input.
4. A cursor menu appears when you use the _____ mouse button.
5. QNew, Open, and Save buttons appear on the _____ toolbar.
6. A _____ is a group of buttons.
7. The _____ contains panels of useful tools.
8. _____ means attaching a toolbar or tool palette to a side, top, or bottom of the AutoCAD window.
9. (T or F) Once shown, you cannot remove a toolbar from the AutoCAD window.
10. (T or F) You can add to existing tool palettes, but you can't add an entirely new palette.
11. The _____ is the largest part of the AutoCAD window.
12. The icon in the lower left corner of the AutoCAD graphics area is called the _____.
13. How many coordinate systems does AutoCAD actually use?
14. Probably the most important part of the AUI is the _____ where AutoCAD and the user communicate with each other.
15. You will receive updates and messages from Autodesk via the _____.

What are the three methods used by AutoCAD to set up a new drawing?

- 16.
- 17.
- 18.
19. AutoCAD may prompt you in the command window or via the _____.

What two types of units does AutoCAD make available when beginning a new drawing?

- 20.
- 21.
22. By default, AutoCAD measures angles in what direction?
23. By default, in which direction does AutoCAD set 0 degrees?

What are AutoCAD's three save commands?

24.

25.

26.

27. Name one command that will exit a drawing without saving it?

28. (T or F) When saving a drawing to an Internet address, you cannot use a standard http address. You can, however, use an ftp address.

29. (T or F) You cannot work directly on a drawing that resides on the Internet.

30. (T or F) The Browser command will open AutoCAD's browser.

31. (T or F) You can use one of AutoCAD's templates or create one of your own.

32. (T or F) When using a template, the new drawing will inherit all of the template's settings except area.

33. Use the _____ command to set up the area of a drawing started from scratch or to change the area settings of an existing drawing.

34. Use the _____ command to set up the units of a drawing started from scratch or to change the units of an existing drawing.

35. Save your customized user interface (your workspace) with the _____ command.

Name AutoCAD's three default workspaces.

36.

37.

38.

39. Use the _____ button to control whether or not the dashboard remains in view or hides between uses.

40. (T or F) You can save a drawing directly to an internet location.

41. AutoCAD provides _____ (how many?) basic modes of cursor menus.

42. (T or F) You cannot remove the ribbon from the display area.

43. What is the ribbon method (Tab/Panel) of displaying tool palettes?

44. If your command line somehow disappears, what command will cause it to redisplay?

From the left, identify these status bar toggles:



45. _____

50. _____

46. _____

51. _____

47. _____

52. _____

48. _____

53. _____

49. _____

54. _____

55. On which pull down menu will you find the Units command? _____

56. _____ will display a thumbnail of all the currently open drawings.

Answers

1. F
2. AutoCAD User Interface
3. macro
4. right
5. Standard Annotation
6. toolbar
7. ribbon
8. Docking
9. F
10. F
11. graphics area
12. UCS icon
13. 2
14. command prompt or dynamic input display
15. communication center
16. templates
17. wizards
18. from scratch
19. dynamic input display
20. imperial (or English)
21. metric
22. counterclockwise
23. east
24. save
25. qsave
26. saveas
27. close or quit
28. T
29. T
30. F
31. T
32. F
33. limits
34. units
35. WSSave
36. 3D Modeling
37. AutoCAD Classic
38. 2D Drafting & Annotation
39. Auto-Hide
40. T
41. 5
42. F
43. Tools – Customization – Tool Palettes
44. CommandLine
45. Snap
46. Grid
47. Ortho
48. Polar
49. OSNAP
50. OTrack
51. DUCS (Dynamic UCS)
52. DYN (Dynamic Input)
53. LWT (Lineweight)
54. QP (Quick Properties)
55. Format
56. QVDrawing