

# AutoCAD 2010: One Step at a Time

## Lesson 1: In the Beginning

**10R1**

### **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. The \_\_\_\_\_ contains panels of useful tools.
7. \_\_\_\_\_ means attaching a toolbar or tool palette to a side, top, or bottom of the AutoCAD window.
8. (T or F) Once shown, you cannot remove a toolbar from the AutoCAD window.
9. (T or F) You can add to existing tool palettes, but you can't add an entirely new palette.
10. The \_\_\_\_\_ is the largest part of the AutoCAD window.
11. The icon in the lower left corner of the AutoCAD graphics area is called the \_\_\_\_\_.
12. How many coordinate systems does AutoCAD actually use?
13. Probably the most important part of the AUI is the \_\_\_\_\_ where AutoCAD and the user communicate with each other.
14. You will receive updates and messages from Autodesk via the \_\_\_\_\_.
15. 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?

- 16.
- 17.
18. By default, AutoCAD measures angles in what direction?
19. By default, in which direction does AutoCAD set 0 degrees?


What are AutoCAD's three save commands?

- 20.
- 21.
- 22.
23. Name one command that will exit a drawing without saving it?
24. (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.
25. (T or F) You cannot work directly on a drawing that resides on the Internet.

26. (T or F) The Browser command will open AutoCAD's browser.
27. (T or F) You can use one of AutoCAD's templates or create one of your own.
28. (T or F) When using a template, the new drawing will inherit all of the template's settings except area.
29. Use the \_\_\_\_\_ command to set up the area of a drawing started from scratch or to change the area settings of an existing drawing.
30. Use the \_\_\_\_\_ command to set up the units of a drawing started from scratch or to change the units of an existing drawing.
31. Save your customized user interface (your workspace) with the \_\_\_\_\_ command.

Name AutoCAD's four default workspaces.

32. \_\_\_\_\_
33. \_\_\_\_\_
34. \_\_\_\_\_
35. \_\_\_\_\_
36. Use the \_\_\_\_\_ button to control whether or not a tool palette remains in view or hides between uses.
37. (T or F) You can save a drawing directly to an internet location.
38. AutoCAD provides \_\_\_\_\_ (how many?) basic modes of cursor menus.
39. (T or F) You cannot remove the ribbon from the display area.
40. What is the ribbon method (Tab/Panel) of displaying tool palettes?
41. If your command line somehow disappears, what command will cause it to redisplay?

From the left, identify these status bar toggles: 

42. \_\_\_\_\_
43. \_\_\_\_\_
44. \_\_\_\_\_
45. \_\_\_\_\_
46. \_\_\_\_\_
47. \_\_\_\_\_
48. \_\_\_\_\_
49. \_\_\_\_\_
50. \_\_\_\_\_
51. \_\_\_\_\_
52. On which pull down menu will you find the Units command? \_\_\_\_\_
53. \_\_\_\_\_ will display a thumbnail of all the currently open drawings.
54. You'll find a list of recently open documents on the \_\_\_\_\_.

## Answers

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