



[Visit Suncam.com for more courses](http://www.suncam.com)

Continuing Education Course #495  
Sketching for Engineers

1. Which of the following is most nearly defined as rough drawing or general outline?
  - a. Schematic
  - b. Portrait
  - c. Cartoon
  - d. Sketch
  - e. Mechanical drafting
2. Which of the following qualities least describes sketching?
  - a. Loose
  - b. Rough
  - c. Conceptual
  - d. Creative
  - e. Accurate
3. Engineering communication largely depends on all of these except...?
  - a. Financial analysis
  - b. Ideas
  - c. Proposals
  - d. Specifications
  - e. Information
4. True or false: Drawing is an innate quality we are born with.
  - a. False
  - b. True
5. Which of these is least important when sketching?
  - a. Good posture
  - b. Expensive high-quality pens
  - c. Cognitive observation ability
  - d. Muscle memory
  - e. Imagination
6. You should practice drawing with various mediums.
  - a. True
  - b. False
7. Which statement is true regarding drawing scale:
  - a. Sketches on 8.5x11 paper should always be drawn in 1:50 scale
  - b. Drawing on a whiteboard implies larger scale is required
  - c. Pen thickness defines sketch scale in all cases

- d. Drawing in plan view is always necessary for civil engineer concepts
  - e. Sketches should start with the large features first
8. The recommended text for engineering sketches is...
- a. Whatever is most readable
  - b. Cursive
  - c. Morse Code
  - d. Latin
  - e. Braille
9. Qualities of a good sketch lines include all of the following except...?
- a. Keeping your eyes on the pen
  - b. Keeping your wrist straight
  - c. Preventing “sketchy” lines
  - d. Varying line thicknesses for emphasis
  - e. Adding texture where necessary
10. Positive space is defined as...
- a. Your office area that promotes the best imaginative designs
  - b. The coffee maker and vicinity
  - c. Drawing regions with texture
  - d. Areas comprised of optimistic artists
  - e. Subject or area of interest in a sketch
11. Hatching is best described as which of the following?
- a. Close, parallel lines that indicate depth or shadow
  - b. Paper texture
  - c. Printer malfunctions
  - d. Concrete texture
  - e. Pen bleeding onto paper below
12. True or false: Soil is commonly drawn as three vertical & three horizontal lines in pattern.
- a. True
  - b. False
13. Perspective, also called diminition, is the phenomena that...
- a. Objects get small the further away they are from your point of view
  - b. Objects get larger the further away they are from your point of view
  - c. Parallel lines never cross
  - d. Allows engineers to cope with last-minute design changes
  - e. Prevents engineering drawings from becoming political statements
14. To draw a shadow correctly, all of these must be taken into account except...
- a. Light source
  - b. Perspective
  - c. Temperature of the light source
  - d. Light direction and angles
  - e. Object plane
15. Which of the following is false?

- a. Sketching is a valuable form of engineering communication
- b. Learning to sketch will guarantee you a generous raise
- c. Additional sketch features add realism, such as people, trees, vehicles, etc.
- d. Investing in your sketching skills will likely enhance your capability as an engineer
- e. Sketching is less formal than mechanical drawing.

[Purchase this course on Suncam.com](http://Suncam.com)