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#### STUDY QUESTIONS FOR STEP 4

1. List three (3) uses for freehand sketches:

You can record ideas quickly, revise your ideas, and make plans.

2. What does a "multiview sketch" show you about an object?

When it show the object from many points of view

3. List the three (3) principle views that are shown on a multiview sketch:

Top Front Right Side

4. List in your own words the steps to follow in the making of a multiview sketch:

Look at the object

Plan it out

Sketch it

Add details

Bolden lines

Bolden hidden lines

Add lines in the centers

5. What does a "pictorial sketch" show you about an object?

It shows the overall shape of an object from one point of view

6. List the three (3) principle types of pictorial sketches:

isometric oblique perspective

7. Why is the "isometric pictorial sketch" the most commonly used type of pictorial view?

Because it shows 3 sides of the object in one picture.

8. What overall shape should an object have to utilize an "oblique view"?

Cylindrical

9. What does a "perspective sketch" show you about an object?

A realistic view

10. What does a "floor plan" and an "elevation" show you about a building?

They show the shape of the building

11. List in your own words the steps to follow in the making of a pictorial sketch:

Observe the object

Make a plan

Add dimensions

Sketch it

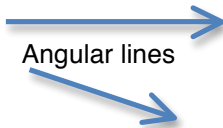
Add details

Darken Lines

Erase hidden lines

12. Show and label with arrows the recommended methods for sketching the following lines:

Horizontal lines

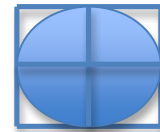


Angular lines

Vertical lines



Circular lines



13. Sketch an example of a "construction" line and explain how it is used:



The are used to show the depth and shape of unseen areas of the object

14. Sketch an example of a "visible" line and explain how it is used:

A line that is visible



15. Sketch an example of a "hidden" line and explain how it is used:

A line that is hidden



16. Sketch an example of a "center" line and explain how it is used:

It is used to label the center of an object



17. Is it necessary to erase "construction" lines? No Explain: You may want to see what is behind the object you are making

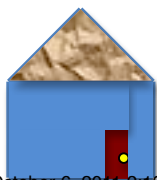
18. What shape does a circle become when sketched on a pictorial view?

An oval

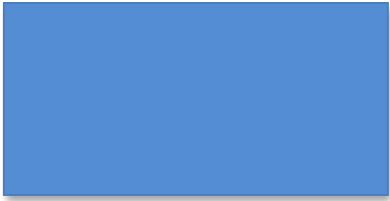
19. Is it necessary to sketch objects in the proper "proportions"? Yes

Explain: Scale can change, but everything must be to proportion

20. Make freehand sketches of the following using appropriate "proportions" in the space below:



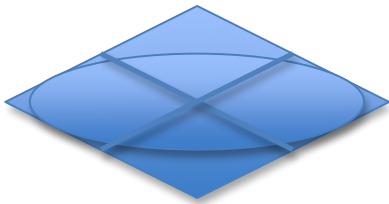
1" x 2" rectangle



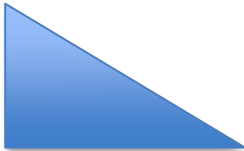
two 3/4" perpendicular lines



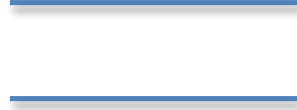
2" isometric ellipse



30°, 60° & 90° triangle a 45°, 45° & 90° triangle



two 1.5" parallel lines 1/2" apart



1.5" diameter circle

