

Name \_\_\_\_\_

## STUDY QUESTIONS FOR STEP 4

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

Quickly show ideas on paper

Easy to revise and refine

For easier planning without using tools

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

A multiview sketch shows you the different sides of an object, this is to help[ see the actual shape.

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

top, front, back

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

1. Examine the item you choose

2. Draw all the main views

3. Block in the Views

4. Detect details

5. Put extra details on

6. Add visibility to lines that are edges

7. Add visibility to interior lines

8. Usage of lines to determine center

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

A pictorial sketch shows you details on an object

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

Oblique, isometric, perspective

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

Isometric is used most common because it shows the real size of each side.

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

oblique view is mostly used when the shape is circular or a cylinder q

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

They show the most realistic view of an object

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

A floor pan

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

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



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

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

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

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

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17. Is it necessary to erase "construction" lines? \_\_\_\_\_ Explain: \_\_\_\_\_

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

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

Explain: \_\_\_\_\_

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

1" x 2" rectangle

two 1.5" parallel lines 1/2" apart

two 3/4" perpendicular lines

1.5" diameter circle

2" isometric ellipse

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