

## MechDrftQB

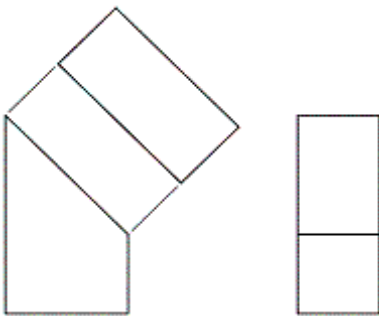
### True/False

*Indicate whether the statement is true or false.*

- \_\_\_ 1. Drafting is frequently called the “language of industry.”
- \_\_\_ 2. Drafters prepare working drawings from sketches and notes.
- \_\_\_ 3. A senior drafter is responsible for producing original work.
- \_\_\_ 4. Most drafters specialize in a specific area of technical drawing.
- \_\_\_ 5. Industrial designers should have a background in engineering.
- \_\_\_ 6. Interior designers originate designs for machine tools.
- \_\_\_ 7. Modelmakers must be able to interpret drawings.
- \_\_\_ 8. A good leader must be able to delegate assignments to others.
- \_\_\_ 9. A line is sketched by making a series of short, overlapping strokes.
- \_\_\_ 10. Thin construction lines should be drawn first when sketching objects.
- \_\_\_ 11. A right-handed drafter should sketch vertical lines from the bottom of the sheet upward.
- \_\_\_ 12. Construction lines are the heaviest lines used in sketching.
- \_\_\_ 13. Object lines indicate visible edges of an object.
- \_\_\_ 14. Dimension lines and extension lines are drawn to the same line weight.
- \_\_\_ 15. When determining which line should be displayed when lines overlap on a drawing, object lines take priority over hidden lines.
- \_\_\_ 16. A 60° angle is known as a right angle.
- \_\_\_ 17. Construction lines are used to represent the centers of round objects.
- \_\_\_ 18. Border lines are drawn approximately .047" thick.
- \_\_\_ 19. Dimension lines should be drawn with a 4H or 6H pencil.
- \_\_\_ 20. When darkening lines on a drawing, circles and arcs should be darkened before straight lines.
- \_\_\_ 21. The use of drafting tape is the preferred method to attach a drawing sheet to the drawing board.

- \_\_\_ 22. Specifying the coordinate entry (3,4) locates a relative coordinate.
- \_\_\_ 23. A drilled hole in an object represents positive mass.
- \_\_\_ 24. As a rule, when making a multiview drawing, the view selected as the side view should show the most visible features of the object.
- \_\_\_ 25. One method of centering a drawing on a drawing sheet is to create a centering rectangle.
- \_\_\_ 26. A size dimension specifies how large a particular feature is.
- \_\_\_ 27. A zero should precede the decimal point for decimal inch dimension values less than 1".
- \_\_\_ 28. Arcs are dimensioned by specifying the diameter.
- \_\_\_ 29. Metric dimensions can be converted to decimal inch dimensions using a conversion chart.
- \_\_\_ 30. Sectional views show interior features as object lines rather than hidden lines.
- \_\_\_ 31. Sectional views are needed when an object contains complex interior structures.
- \_\_\_ 32. Section lines are drawn to the same weight as object lines.
- \_\_\_ 33. In a half section, one-quarter of the object is theoretically removed to show the interior details.
- \_\_\_ 34. Auxiliary views show the true size of features inclined to the principal planes of projection.
- \_\_\_ 35. An inclined surface appears as an edge in two of the three normal orthographic views.
- \_\_\_ 36. An auxiliary view is projected perpendicular from a regular orthographic view.

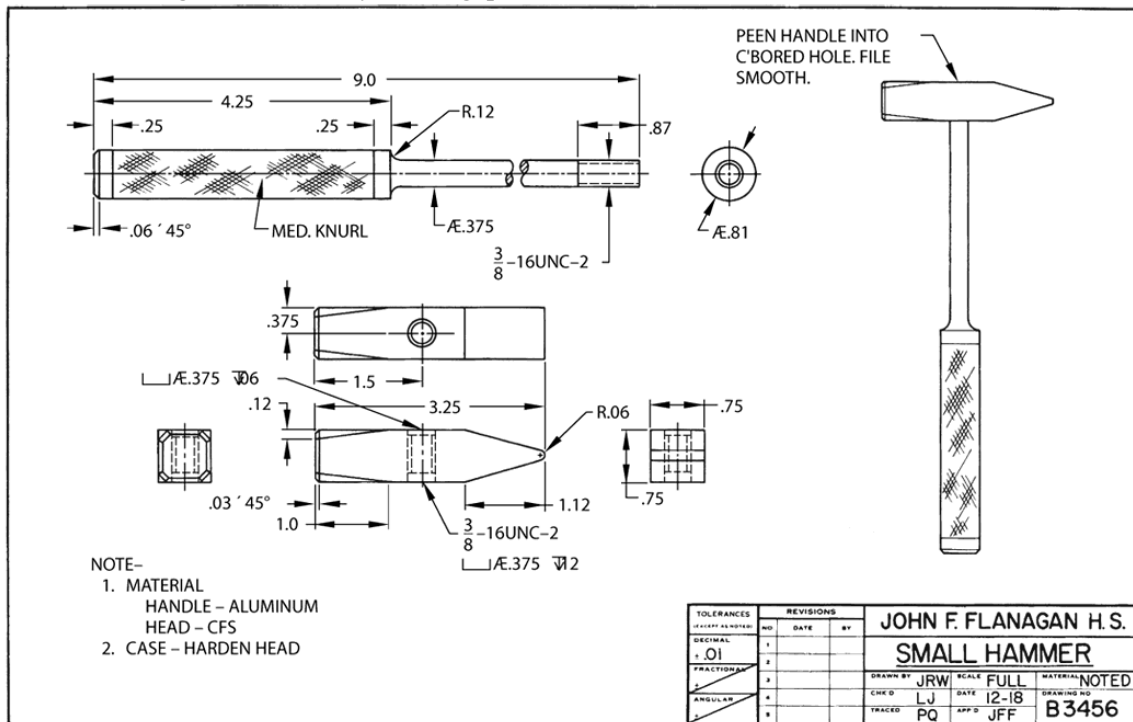
*Use the following drawing to answer the questions below.*



- \_\_\_ 37. The inclined surface of the object is perpendicular to the frontal projection plane.
- \_\_\_ 38. The inclined surface of the object appears foreshortened in the front view.

- \_\_\_ 39. A front auxiliary view is projected in this drawing.
- \_\_\_ 40. An isometric view is drawn with two horizontal axes inclined at 45° and a vertical (straight) axis.
- \_\_\_ 41. The front view of an oblique drawing is parallel to the front projection plane.
- \_\_\_ 42. Placing the vanishing point below the object in a one-point perspective orients the view so that the viewer is looking “down.”
- \_\_\_ 43. The front surface of a one-point perspective drawing is drawn at its true size.
- \_\_\_ 44. In three-dimensional drawing applications, a cylinder is an example of a primitive object.
- \_\_\_ 45. Detail drawings are typically drawn in pictorial form.
- \_\_\_ 46. The purpose of a working drawing is to show the product to be manufactured and to establish the standards by which it must be manufactured.
- \_\_\_ 47. Development of working drawings may include the preparation of both orthographic and pictorial views.

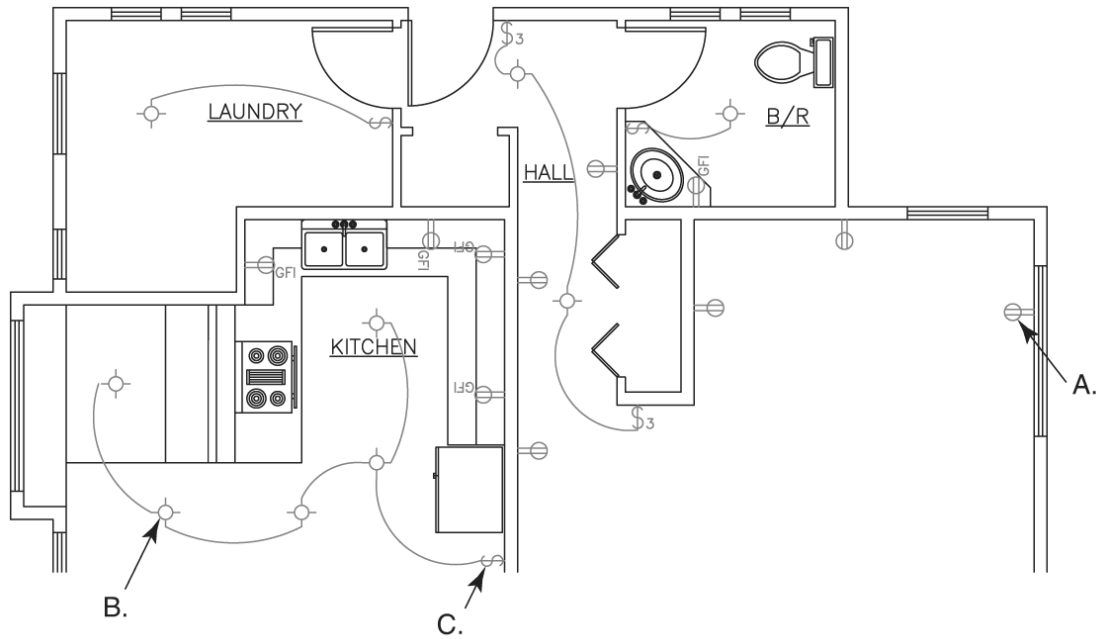
Use the drawing to answer the following questions.



- \_\_\_ 48. The head of the tool is made from cold-finished steel.
- \_\_\_ 49. Industrial designers should have a knowledge of manufacturing processes.
- \_\_\_ 50. Most design problems have only one good solution.

- \_\_\_ 51. A professional map drafter is known as a cartographer.
- \_\_\_ 52. Plot plans are typically drawn at a scale of 1" = 1'-0".
- \_\_\_ 53. City maps are used to show the layout of streets and lots in a given area.
- \_\_\_ 54. CAD software increases the time required to create drawings of circuit boards.
- \_\_\_ 55. Integrated circuits are manufactured for use on circuit boards.

Use the given drawing to answer the following questions.



- \_\_\_ 56. The type of drawing shown is a wiring diagram.
- \_\_\_ 57. The symbol indicated at A shows a light fixture.

**Multiple Choice**

Identify the choice that best completes the statement or answers the question.

- \_\_\_ 1. The primary function of a(n) \_\_\_ is to improve industrial product designs.
  - A. industrial designer
  - B. modelmaker
  - C. teacher
  - D. technical illustrator
- \_\_\_ 2. \_\_\_ produce physical designs of interior building spaces.
  - A. Industrial designers
  - B. Interior designers
  - C. Tool designers

D. Technical illustrators

- \_\_\_ 3. A(n) \_\_\_ is responsible for planning and designing structures.  
A. architect  
B. teacher  
C. technical illustrator  
D. tool designer
- \_\_\_ 4. A(n) \_\_\_ designs the cutting and holding devices used in manufacturing.  
A. architect  
B. interior designer  
C. technical illustrator  
D. tool designer
- \_\_\_ 5. A(n) \_\_\_ prepares drawings in pictorial form for industrial use.  
A. interior designer  
B. modelmaker  
C. teacher  
D. technical illustrator
- \_\_\_ 6. A drafting trainee \_\_\_\_\_.  
A. redraws or repairs damaged drawings and makes simple detail drawings  
B. prepares working drawings from specifications, sketches, and rough designs  
C. supervises other drafters  
D. All of the above.
- \_\_\_ 7. Engineers \_\_\_\_\_.  
A. provide technical and managerial leadership in industry and government  
B. are responsible for the design and development of new products  
C. plan structures and highways  
D. All of the above.
- \_\_\_ 8. The thin lines placed between extension lines to indicate a linear distance are \_\_\_ lines.  
A. cutting-plane  
B. dimension  
C. object  
D. section
- \_\_\_ 9. The centers of round objects are indicated using \_\_\_\_\_.  
A. centerlines  
B. hidden lines  
C. object lines  
D. section lines
- \_\_\_ 10. General classifications of materials are identified using \_\_\_\_\_.  
A. centerlines  
B. hidden lines  
C. object lines  
D. section lines
- \_\_\_ 11. Lines drawn as a series of dashes 1/8" (.125") in length with spaces 1/16" (.0625") in length between the dashes are \_\_\_\_\_.  
A. construction lines

- B. dimension lines
- C. extension lines
- D. hidden lines

- \_\_\_ 12. Section lines are typically drawn inclined at \_\_\_\_.
- A. 30°
  - B. 45°
  - C. 60°
  - D. 75°
- \_\_\_ 13. Cutting-plane lines are drawn to the same weight as \_\_\_\_.
- A. centerlines
  - B. hidden lines
  - C. object lines
  - D. section lines
- \_\_\_ 14. An extension line typically begins \_\_\_\_ away from the edge or feature of the object being dimensioned.
- A. 1/16" (.06")
  - B. 5/64" (.08")
  - C. 1/10" (.1")
  - D. 1/8" (.125")
- \_\_\_ 15. Which of the following tools should *not* be used to sketch lines?
- A. Drawing pencil
  - B. Eraser
  - C. Graph paper
  - D. Scale
- \_\_\_ 16. A(n) \_\_\_\_ is sketched by first constructing a rectangle with dimensions equal to the major and minor axes of the object.
- A. circle
  - B. ellipse
  - C. hexagon
  - D. octagon
- \_\_\_ 17. A(n) \_\_\_\_ is sketched by first constructing centerline axes and inclined lines at 30° and 60°.
- A. circle
  - B. ellipse
  - C. hexagon
  - D. octagon
- \_\_\_ 18. \_\_\_\_ lines are very thin lines drawn approximately .012" thick.
- A. Construction
  - B. Cutting-plane
  - C. Dimension
  - D. Object
- \_\_\_ 19. \_\_\_\_ are drawn approximately twice as thick as hidden lines.
- A. Centerlines
  - B. Object lines
  - C. Phantom lines
  - D. Section lines

- \_\_\_\_\_ 20. \_\_\_\_\_ lines are made up of a series of long dashes ( $3/4''$  to  $1-1/2''$  or  $.75''$  to  $1.50''$ ) and two short dashes ( $1/8''$  or  $.125''$ ).
- A. Construction
  - B. Cutting-plane
  - C. Dimension
  - D. Hidden
- \_\_\_\_\_ 21. Which of the following statements is *not* true of object lines?
- A. They should be drawn using an H or 2H drawing pencil.
  - B. They should be drawn very sharp.
  - C. They are drawn to the same line weight as centerlines.
  - D. They should be drawn approximately  $.024''$  thick.
- \_\_\_\_\_ 22. \_\_\_\_\_ have alternating long and short dashes drawn through the perimeter of a circular object.
- A. Centerlines
  - B. Extension lines
  - C. Object lines
  - D. Section lines
- \_\_\_\_\_ 23. On an architect's scale, each division on the 16 scale is equal to \_\_\_\_\_.
- A.  $1/2''$
  - B.  $1/4''$
  - C.  $1/8''$
  - D.  $1/16''$
- \_\_\_\_\_ 24. Which of the following statements is *not* true in relation to drawing lines?
- A. Lines must appear consistent in width from end to end.
  - B. The pencil should form approximately a  $30^\circ$  angle against the drawing edge as the line is drawn.
  - C. Lines should be "pushed" onto the paper, not "pulled."
  - D. The pencil should be rotated between the thumb and forefinger as the line is drawn.
- \_\_\_\_\_ 25. The lines making up the sides of a hexagon form \_\_\_\_\_ angles.
- A.  $30^\circ$
  - B.  $60^\circ$
  - C.  $90^\circ$
  - D.  $120^\circ$
- \_\_\_\_\_ 26. A(n) \_\_\_\_\_ is a closed curve in the form of a symmetrical oval with four quadrants.
- A. ellipse
  - B. octagon
  - C. rhomboid
  - D. trapezoid
- \_\_\_\_\_ 27. A line that forms a  $90^\circ$  angle with another line is \_\_\_\_\_.
- A. concentric
  - B. parallel
  - C. perpendicular
  - D. tangent
- \_\_\_\_\_ 28. A regular \_\_\_\_\_ has five equal sides.
- A. hexagon

- B. octagon
- C. pentagon
- D. rhomboid

- \_\_\_ 29. A(n) \_\_\_ triangle has no equal sides or angles.
- A. equilateral
  - B. isosceles
  - C. right
  - D. scalene
- \_\_\_ 30. CAD drawings are commonly output as hard copy with a \_\_\_.
- A. digitizing tablet
  - B. drafting machine
  - C. monitor
  - D. plotter
- \_\_\_ 31. CAD drawings are made up of \_\_\_ objects.
- A. bitmap
  - B. pixel
  - C. raster
  - D. vector
- \_\_\_ 32. A \_\_\_ is used to convert hard-copy images to bitmap form.
- A. drafting machine
  - B. plotter
  - C. scanner
  - D. stylus
- \_\_\_ 33. Which of the following is *not* used to enter commands in a CAD program?
- A. coordinate axis
  - B. digitizing tablet
  - C. keyboard
  - D. toolbar
- \_\_\_ 34. In the Cartesian coordinate system, the \_\_\_ axis is considered the horizontal axis.
- A. W
  - B. X
  - C. Y
  - D. Z
- \_\_\_ 35. The absolute coordinate (2,-2) is located in the \_\_\_ quadrant of the XY drawing plane in the Cartesian coordinate system.
- A. lower-left
  - B. lower-right
  - C. upper-left
  - D. upper-right
- \_\_\_ 36. Which of the following is a valid polar coordinate entry?
- A. (3,6)
  - B. (5,0,3)
  - C. (@6,3)
  - D. (@3<30)



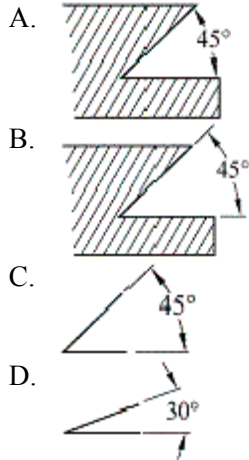
- \_\_\_ 37. A(n) \_\_\_ is an object setting used to control the visible display of objects.
- A. attribute
  - B. layer
  - C. menu
  - D. template
- \_\_\_ 38. To draw a(n) \_\_\_, a center point, minor axis, and major axis must be specified.
- A. chamfer
  - B. circle
  - C. ellipse
  - D. line
- \_\_\_ 39. Which of the following is *not* specified when drawing a polygon?
- A. Center point
  - B. Circle radius
  - C. Mirror axis
  - D. Number of sides
- \_\_\_ 40. The \_\_\_ command is used to change the angular position of an object with respect to the current orientation.
- A. **Copy**
  - B. **Move**
  - C. **Rotate**
  - D. **Scale**
- \_\_\_ 41. The \_\_\_ command is used to lengthen a line to meet an edge.
- A. **Extend**
  - B. **Move**
  - C. **Scale**
  - D. **Trim**
- \_\_\_ 42. The \_\_\_ command is used to move the drawing across the display area without changing the magnification.
- A. **Hide**
  - B. **Pan**
  - C. **Trim**
  - D. **Zoom**
- \_\_\_ 43. Drawing objects in a CAD program are \_\_\_ objects made up of lines and arcs defined with points in space.
- A. raster
  - B. vector
  - C. pixel
  - D. bitmap
- \_\_\_ 44. Which CAD function allows you to align the cursor to points in an invisible grid?
- A. The **Pan** command
  - B. The **Units** command
  - C. Snap
  - D. Orthogonal mode
- \_\_\_ 45. Text strings of information about a related block are known as \_\_\_\_.
- A. attributes
  - B. arrays
  - C. layers
  - D. templates

- \_\_\_ 46. The **Fillet** command is used for \_\_\_\_.
- A. drawing chamfers
  - B. drawing rounds
  - C. mirroring objects
  - D. scaling objects
- \_\_\_ 47. In orthographic projection, the \_\_\_\_ principal plane represents the projection of the top view of the object.
- A. frontal
  - B. horizontal
  - C. profile
  - D. vertical
- \_\_\_ 48. \_\_\_\_ projection is the orthographic projection method most commonly used in the United States.
- A. First-angle
  - B. Second-angle
  - C. Third-angle
  - D. Fourth-angle
- \_\_\_ 49. When locating views on a drawing, the top view should be placed \_\_\_\_ the front view.
- A. above
  - B. below
  - C. to the left of
  - D. to the right of
- \_\_\_ 50. When projecting views, depth distances may be projected to side views with a \_\_\_\_ projection angle or a compass.
- A. 30°
  - B. 45°
  - C. 60°
  - D. 75°
- \_\_\_ 51. Extension lines should begin \_\_\_\_ away from the object feature.
- A. 1/32"
  - B. 1/16"
  - C. 1/8"
  - D. 1/4"
- \_\_\_ 52. Which of the following statements is true of leaders?
- A. The arrowed portion is always drawn vertical or horizontal.
  - B. The leader shoulder should extend 1/16" from the arrowed portion.
  - C. When a leader is located on the left side of a note, the shoulder connects to the beginning of the first line.
  - D. On diameter dimensions, the tip of the arrowed portion should touch the primary center point of the object.
- \_\_\_ 53. Which of the following is *not* one of the fundamental rules of dimensioning?
- A. Dimensions should be placed within object lines whenever possible.
  - B. Dimensions should be drawn parallel to the measuring direction.
  - C. Dimensions should be kept grouped together.
  - D. Size and location dimensions should be placed on the view that shows the true shape of the feature being dimensioned.

\_\_\_ 54. \_\_\_ is a manufacturing operation in which a chamfered recess is cut at the end of a smaller hole and used to receive a fastener head.

- A. Counterboring
- B. Countersinking
- C. Spotfacing
- D. Turning

\_\_\_ 55. Which of the following conventions should *not* be used to dimension angles?



\_\_\_ 56. Dimension lines and extension lines are drawn to the same line weight as \_\_\_.

- A. border lines
- B. object lines
- C. centerlines
- D. cutting-plane lines

\_\_\_ 57. When arranging dimensions on a drawing, \_\_\_ dimensions should be placed farthest from the view.

- A. location
- B. size
- C. small
- D. overall

\_\_\_ 58. A \_\_\_ is a chamfered recess at the end of a smaller hole used to receive the head of a fastener.

- A. countersink
- B. counterbore
- C. boss
- D. spotface

\_\_\_ 59. Angular dimensions are expressed in \_\_\_.

- A. decimal inches
- B. fractional inches
- C. millimeters
- D. degrees

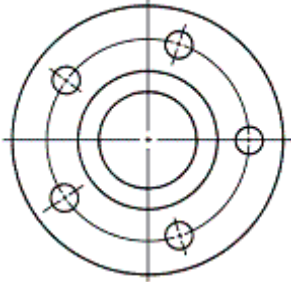
\_\_\_ 60. General-purpose section lines are typically spaced \_\_\_ apart.

- A. 1/8"
- B. 1/4"
- C. 1/2"
- D. 3/4"

\_\_\_ 61. A(n) \_\_\_ is developed by passing a “stepped” cutting plane through features that do not lie on the same plane.  
A. full section  
B. offset section  
C. removed section  
D. revolved section

\_\_\_ 62. A(n) \_\_\_ is developed by cutting out a portion of a long, uniform object and sliding the ends together.  
A. aligned section  
B. conventional break  
C. offset section  
D. removed section

\_\_\_ 63. The following drawing uses a(n) \_\_\_ section view to show interior details.



- A. aligned
- B. half
- C. removed
- D. revolved

\_\_\_ 64. To show where an imaginary cut is made through an object to be sectioned, a(n) \_\_\_ line is used.  
A. cutting-plane  
B. object  
C. phantom  
D. section

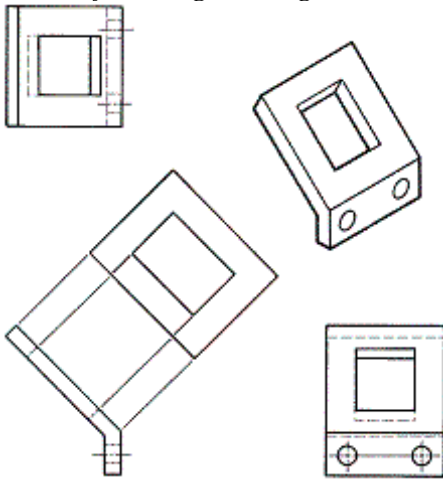
\_\_\_ 65. General-purpose section lines are usually drawn at \_\_\_ angles.  
A. 15°  
B. 30°  
C. 45°  
D. 60°

\_\_\_ 66. A(n) \_\_\_ section is used to describe objects with irregular features by rotating the features that do not intersect the cutting plane into the same plane.  
A. aligned  
B. broken-out  
C. outline

D. removed

- \_\_\_ 67. To project an auxiliary view from a surface inclined at  $45^\circ$  in a regular orthographic view, the auxiliary projection plane is drawn at \_\_\_\_.
- A.  $45^\circ$
  - B.  $60^\circ$
  - C.  $75^\circ$
  - D.  $90^\circ$
- \_\_\_ 68. Which of the following statements is *not* true regarding auxiliary views?
- A. A front auxiliary view is projected from a front orthographic view.
  - B. The conventional practice is to project only the inclined portion of an object in an auxiliary view.
  - C. Circular features are drawn as ellipses when projected to an auxiliary view.
  - D. A secondary auxiliary view is projected from a regular orthographic view.
- \_\_\_ 69. An auxiliary view is projected with construction lines at \_\_\_\_ to the inclined surface.
- A.  $45^\circ$
  - B.  $60^\circ$
  - C.  $75^\circ$
  - D.  $90^\circ$

*Use the following drawing to answer the questions below.*



- \_\_\_ 70. Which type of auxiliary view is projected in the drawing?
- A. Front auxiliary view.
  - B. Left-side auxiliary view.
  - C. Right-side auxiliary view.
  - D. Top auxiliary view.
- \_\_\_ 71. In which of the following views does the inclined surface of the object appear foreshortened?
- A. Top and auxiliary views
  - B. Front and side views
  - C. Top and side views
  - D. Top and front views
- \_\_\_ 72. The inclined surface of the object appears in its true length and width in the \_\_\_\_ view.

- A. auxiliary
- B. front
- C. side
- D. top

- \_\_\_ 73. A cabinet oblique drawing has a depth axis drawn at \_\_\_ scale.
- A. one-quarter
  - B. one-half
  - C. three-quarter
  - D. full
- \_\_\_ 74. Which of the following statements is *not* true in relation to dimensioning pictorial drawings?
- A. Dimension lines are drawn parallel to the direction of measurement.
  - B. Dimensions on adjacent planes can use the same extension line.
  - C. Dimension numerals and letters may be unidirectional or parallel to the pictorial planes.
  - D. Dimensions should be given at a scaled size rather than full size.
- \_\_\_ 75. A(n) \_\_\_ drawing appears as if it is tilted  $35^{\circ}16'$  toward the viewer.
- A. isometric
  - B. cabinet oblique
  - C. cavalier oblique
  - D. perspective
- \_\_\_ 76. The \_\_\_ command is used to create 3D models from two-dimensional geometric shapes.
- A. **Extrude**
  - B. **Render**
  - C. **Scale**
  - D. **Zoom**
- \_\_\_ 77. A(n) \_\_\_ drawing uses two  $30^{\circ}$  horizontal axes and a vertical axis to represent the dimensions of an object.
- A. isometric
  - B. multiview
  - C. orthographic
  - D. section
- \_\_\_ 78. The depth axis lines in a cavalier oblique drawing are drawn at \_\_\_ scale.
- A.  $1/4$
  - B.  $1/2$
  - C.  $3/4$
  - D. full
- \_\_\_ 79. The depth axis lines in a cabinet oblique drawing are drawn at \_\_\_ scale.
- A.  $1/4$
  - B.  $1/2$
  - C.  $3/4$
  - D. full
- \_\_\_ 80. In an oblique drawing, the \_\_\_ surface of the object is parallel to the projection plane.
- A. front
  - B. side
  - C. top
  - D. bottom

- \_\_\_ 81. Which of the following is true of dimensions in pictorial drawings?
- A. They are placed on top of (within) the view.
  - B. They are placed in pictorial planes.
  - C. They are duplicated across views to help clarify the content.
  - D. They are drawn for hidden features.
- \_\_\_ 82. A two-point perspective drawing is also known as a(n) \_\_\_ perspective.
- A. angular
  - B. horizontal
  - C. parallel
  - D. vertical
- \_\_\_ 83. Exploded assembly drawings are commonly drawn as \_\_\_ drawings.
- A. isometric
  - B. multiview
  - C. oblique
  - D. perspective
- \_\_\_ 84. Maps used to provide navigational information for aeronautical and marine applications are typically called \_\_\_.
- A. charts
  - B. location maps
  - C. topographic maps
  - D. vicinity maps
- \_\_\_ 85. A(n) \_\_\_ plan is a drawing that shows the property and boundary lines of a housing subdivision.
- A. elevation
  - B. plat
  - C. plot
  - D. site
- \_\_\_ 86. A(n) \_\_\_ plan shows the site dimensions of a house and the exact location where it is to be situated on a lot.
- A. elevation
  - B. plat
  - C. plot
  - D. section
- \_\_\_ 87. A \_\_\_ uses collected data to design and draw maps.
- A. cartographer
  - B. contractor
  - C. mechanical drafter
  - D. surveyor
- \_\_\_ 88. A drawing of a lot on which a house is to be built is called a(n) \_\_\_ plan.
- A. elevation
  - B. floor
  - C. location
  - D. plot
- \_\_\_ 89. Drawings of building lots are commonly drawn to a scale of \_\_\_.
- A. 1" = 1"
  - B. 1" = 1'-0"
  - C. 1" = 30'-0"

D.  $1/4" = 1'-0"$

- \_\_\_\_ 90. Irregular lines showing differences in elevation on a map or drawing are called \_\_\_\_ lines.
- A. contour
  - B. section
  - C. spatial
  - D. terrain
- \_\_\_\_ 91. \_\_\_\_ diagrams show the location of switches, outlets, and lighting on a residential plan drawing.
- A. Block
  - B. Pictorial
  - C. Schematic
  - D. Wiring
- \_\_\_\_ 92. \_\_\_\_ diagrams use shapes such as squares and rectangles to explain the operation of an electronic device.
- A. Block
  - B. Pictorial
  - C. Schematic
  - D. Wiring
- \_\_\_\_ 93. Symbols and lines on electrical drawings should be drawn to the same weight as \_\_\_\_ lines.
- A. construction
  - B. dimension
  - C. hidden
  - D. object



**MechDrftQB**  
**Answer Section**

**TRUE/FALSE**

- |            |        |
|------------|--------|
| 1. ANS: T  | PTS: 1 |
| 2. ANS: T  | PTS: 1 |
| 3. ANS: T  | PTS: 1 |
| 4. ANS: T  | PTS: 1 |
| 5. ANS: T  | PTS: 1 |
| 6. ANS: F  | PTS: 1 |
| 7. ANS: T  | PTS: 1 |
| 8. ANS: T  | PTS: 1 |
| 9. ANS: T  | PTS: 1 |
| 10. ANS: T | PTS: 1 |
| 11. ANS: F | PTS: 1 |
| 12. ANS: F | PTS: 1 |
| 13. ANS: T | PTS: 1 |
| 14. ANS: T | PTS: 1 |
| 15. ANS: T | PTS: 1 |
| 16. ANS: F | PTS: 1 |
| 17. ANS: F | PTS: 1 |
| 18. ANS: T | PTS: 1 |
| 19. ANS: T | PTS: 1 |
| 20. ANS: T | PTS: 1 |
| 21. ANS: T | PTS: 1 |
| 22. ANS: F | PTS: 1 |
| 23. ANS: F | PTS: 1 |
| 24. ANS: F | PTS: 1 |
| 25. ANS: T | PTS: 1 |
| 26. ANS: T | PTS: 1 |
| 27. ANS: F | PTS: 1 |
| 28. ANS: F | PTS: 1 |
| 29. ANS: T | PTS: 1 |
| 30. ANS: T | PTS: 1 |
| 31. ANS: T | PTS: 1 |
| 32. ANS: F | PTS: 1 |
| 33. ANS: T | PTS: 1 |
| 34. ANS: T | PTS: 1 |
| 35. ANS: F | PTS: 1 |
| 36. ANS: T | PTS: 1 |
| 37. ANS: T | PTS: 1 |
| 38. ANS: F | PTS: 1 |
| 39. ANS: T | PTS: 1 |
| 40. ANS: F | PTS: 1 |
| 41. ANS: T | PTS: 1 |

- 42. ANS: F                   PTS: 1
- 43. ANS: T                   PTS: 1
- 44. ANS: T                   PTS: 1
- 45. ANS: F                   PTS: 1
- 46. ANS: T                   PTS: 1
- 47. ANS: T                   PTS: 1
- 48. ANS: T                   PTS: 1
- 49. ANS: T                   PTS: 1
- 50. ANS: F                   PTS: 1
- 51. ANS: T                   PTS: 1
- 52. ANS: F                   PTS: 1
- 53. ANS: T                   PTS: 1
- 54. ANS: F                   PTS: 1
- 55. ANS: T                   PTS: 1
- 56. ANS: T                   PTS: 1
- 57. ANS: F                   PTS: 1

**MULTIPLE CHOICE**

- 1. ANS: A                   PTS: 1
- 2. ANS: B                   PTS: 1
- 3. ANS: A                   PTS: 1
- 4. ANS: D                   PTS: 1
- 5. ANS: D                   PTS: 1
- 6. ANS: A                   PTS: 1
- 7. ANS: D                   PTS: 1
- 8. ANS: B                   PTS: 1
- 9. ANS: A                   PTS: 1
- 10. ANS: D                   PTS: 1
- 11. ANS: D                   PTS: 1
- 12. ANS: B                   PTS: 1
- 13. ANS: C                   PTS: 1
- 14. ANS: A                   PTS: 1
- 15. ANS: D                   PTS: 1
- 16. ANS: B                   PTS: 1
- 17. ANS: C                   PTS: 1
- 18. ANS: A                   PTS: 1
- 19. ANS: B                   PTS: 1
- 20. ANS: B                   PTS: 1
- 21. ANS: C                   PTS: 1
- 22. ANS: A                   PTS: 1
- 23. ANS: D                   PTS: 1
- 24. ANS: C                   PTS: 1
- 25. ANS: B                   PTS: 1
- 26. ANS: A                   PTS: 1
- 27. ANS: C                   PTS: 1

28. ANS: C PTS: 1  
29. ANS: D PTS: 1  
30. ANS: D PTS: 1  
31. ANS: D PTS: 1  
32. ANS: C PTS: 1  
33. ANS: A PTS: 1  
34. ANS: B PTS: 1  
35. ANS: B PTS: 1  
36. ANS: D PTS: 1  
37. ANS: B PTS: 1  
38. ANS: C PTS: 1  
39. ANS: C PTS: 1  
40. ANS: C PTS: 1  
41. ANS: A PTS: 1  
42. ANS: B PTS: 1  
43. ANS: B PTS: 1  
44. ANS: C PTS: 1  
45. ANS: A PTS: 1  
46. ANS: B PTS: 1  
47. ANS: B PTS: 1  
48. ANS: C PTS: 1  
49. ANS: A PTS: 1  
50. ANS: B PTS: 1  
51. ANS: B PTS: 1  
52. ANS: C PTS: 1  
53. ANS: A PTS: 1  
54. ANS: B PTS: 1  
55. ANS: A PTS: 1  
56. ANS: C PTS: 1  
57. ANS: D PTS: 1  
58. ANS: A PTS: 1  
59. ANS: D PTS: 1  
60. ANS: A PTS: 1  
61. ANS: B PTS: 1  
62. ANS: B PTS: 1  
63. ANS: A PTS: 1  
64. ANS: A PTS: 1  
65. ANS: C PTS: 1  
66. ANS: A PTS: 1  
67. ANS: A PTS: 1  
68. ANS: D PTS: 1  
69. ANS: D PTS: 1  
70. ANS: A PTS: 1  
71. ANS: C PTS: 1  
72. ANS: A PTS: 1  
73. ANS: B PTS: 1  
74. ANS: D PTS: 1

75.	ANS: A	PTS: 1
76.	ANS: A	PTS: 1
77.	ANS: A	PTS: 1
78.	ANS: D	PTS: 1
79.	ANS: B	PTS: 1
80.	ANS: A	PTS: 1
81.	ANS: B	PTS: 1
82.	ANS: A	PTS: 1
83.	ANS: A	PTS: 1
84.	ANS: A	PTS: 1
85.	ANS: B	PTS: 1
86.	ANS: C	PTS: 1
87.	ANS: A	PTS: 1
88.	ANS: D	PTS: 1
89.	ANS: C	PTS: 1
90.	ANS: A	PTS: 1
91.	ANS: D	PTS: 1
92.	ANS: A	PTS: 1
93.	ANS: D	PTS: 1