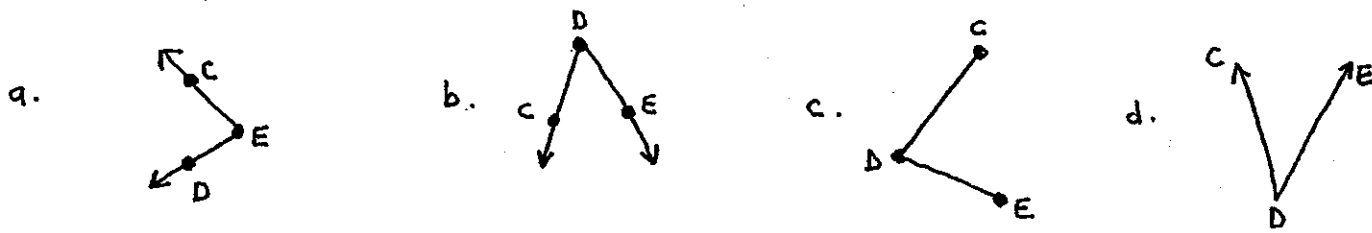
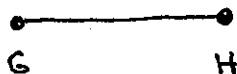


UNIT 1 REVIEW

1. Which properly shows angle CDE?



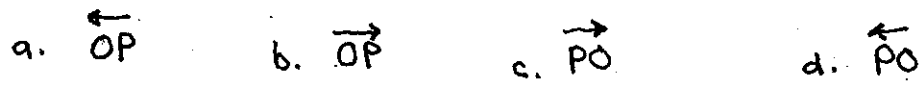
2.  should be named:



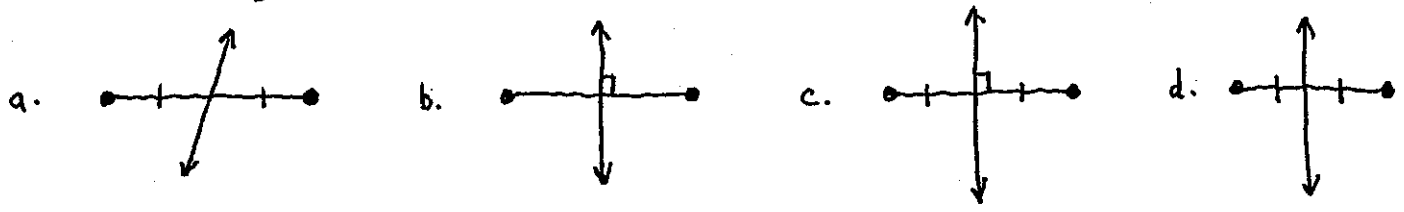
3. Which of the following is NOT true about a plane?

- a. a plane intersects another plane along a segment
- b. planes go on forever in each direction
- c. any 3 points can be connected with a plane
- d. a plane should only be named using 3 points

4.  should be named:



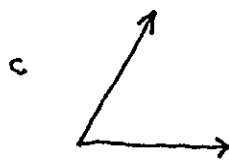
5. Which properly depicts a perpendicular bisector?



True or false: 105° and 75° are measures of complementary angles.

- a. true
- b. false

7) Which angle most closely depicts an 80° angle?



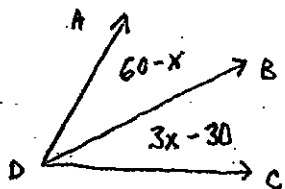
8) Which of the following is not true:

- a. all linear pairs are supplementary angles
- b. angles are formed by two rays that share a vertex
- c. points, lines, segments, and rays are infinitely thin
- d. all of the statements are true

9) If the rays of an angle go through a protractor at 31° and 85° , the angle is:

- a. a right angle
- b. 54°
- c. 116°
- d. can not be measured

10)



$\angle ADC = 70^\circ$. What is the value of x ?

- a. $x = 10$
- b. $x = 20$
- c. $x = -10$
- d. $x = -20$

11) Which of the following is is true?

- a. inscribed circles touch each vertex of a triangle
- b. angle bisectors of a triangle can be used to find the center of a circumscribed circle
- c. perpendicular bisectors of a triangle can be used to find the center of a circumscribed circle
- d. circumscribed circles touch every edge of a triangle.

12) The median of a triangle ...

- a. is the exact center of the triangle
- b. connects the midpoint of a side to the opposite vertex
- c. connects the opposite side and vertex at a 90° angle
- d. both b and c are true

13) When translating a figure...

- a. each point is reflected over a line
- b. each point moves the same distance in the same direction
- c. the figure keeps its shape and size
- d. both b and c are true

14) When a point is reflected over the x axis...

- a. x and y values stay the same
- b. x and y values become opposite
- c. x stays the same and y becomes opposite
- d. x becomes opposite and y stays the same

15) In a figure, $(-2, 1)$ is the original point and $(3, 7)$ is the translated point. Which describes the translation?

- a. left 5, down 6
- b. left 5, up 6
- c. left 1, up 6
- d. right 5, up 6

16) Which of the following involve 90° angles?

- a. a right angle of a triangle
- b. perpendicular lines
- c. altitudes of triangles
- d. all of the above.

- ⑧ For the following problem, show all of your work on the left and explain everything that you did on the right.

On a highway the town of Lincolnville is exactly 90 miles from Parktown. Midlandia is the amusement park between them. The distance from Lincolnville to Midlandia is 15 miles less than twice the distance from Midlandia to Parktown. Find the distance from Lincolnville to Midlandia and from Parktown to Midlandia.

Work	Explanation