ALC Liberal Arts Math

Unit 6

1. The length of a segment connecting two points

a. absolute value

b. coordinate grid or plane

c. distance

d. graph (of a point)

2. The vertical number line on a rectangular coordinate system

a. vertical

b. *x*-axis

c. *y*-axis

d. graph (of a point)

3. A two-dimensional network of horizontal and vertical lines that are

parallel and evenly spaced.

a. absolute value

b. coordinate grid or plane

c. distance

d. graph (of a point)

4. A number’s distance from zero (0) on a number line

a. absolute value

b. coordinate grid or plane

c. distance

d. graph (of a point)

5. The slant or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_of a line is defined as

a. distance

b. horizontal

c. midpoint

d. slope

6. Lines that are in the same plane and do not intersect are called \_\_\_\_\_\_\_\_ lines.

a. perpendicular

b. midpoint

c. parallel

d. distance

7. The point that is located exactly halfway between two endpoints of a

line segment is called the \_\_\_\_\_\_\_\_\_\_\_\_of a line segment.

a. perpendicular

b. midpoint

c. parallel

d. distance

8. If two lines intersect to form right angles, they are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ lines.

a. perpendicular

b. midpoint

c. parallel

d. distance

9. The figure that contains two defined endpoints and all the points in

between is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

a. hypotenuse

b. line segment

c. midpoint

d. slope

10. Two numbers whose product is 1; also called *multiplicative* *inverses*

a. product

b. parallel lines

c. reciprocals

d. formula

11. To meet or cross at one point

a. intersect

b. parallel lines

c. reciprocals

d. formula

12. A way of expressing a relationship using variables or symbols that represent numbers

a. intersect

b. parallel lines

c. reciprocals

d. formula

13. The point assigned to an ordered pair on a coordinate plane

a. absolute value

b. coordinate grid or plane

c. distance

d. graph (of a point)

14. Find the distance between the given points (3, 4), (-2, 6)

a. 6

b.

c.

d. 29

15. Find the distance between the given points (3, -3), (6, 4)

a. 52

b.

c.

d. 25

16. Find the distance between the given points (-5, 0), (2, 3)

a.

b. 58

c.

d. 18

17. Find the distance between the given points (4, -3), (-3, 4)

a.

b. 27

c.

d. 72

18. Find the distance between the given points (0, 2), (-5, 7)

a. 52

b.

c.

d. 25

19. Find the distance between the given points (2, 2), (-1, -2)

a. 5

b.

c.

d. 25

20. Find the distance between the given points (0, 0), (-4, 4)

a. 4

b.

c.

d.