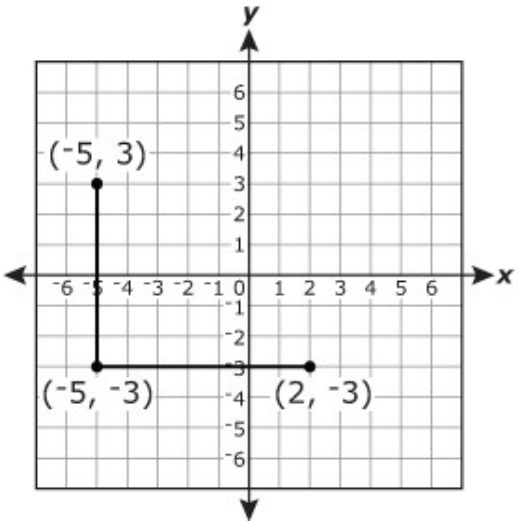
TEST NAME: **Integers/Number Lines/Coordinate Plane**
TEST ID: **1356859**
GRADE: **06 - Sixth Grade**
SUBJECT: **Mathematics**
TEST CATEGORY: **My Classroom**

Student: _____

Class: _____

Date: _____

1. The points on the coordinate plane represent 3 vertices of a rectangle.



What is the perimeter of the rectangle?

A. 13 units

B. 19 units

C. 26 units

D. 42 units

2. When graphed on a coordinate plane, a figure has vertices at the coordinates (0, 3), (−2, 0), (−5, 3), and (−7, 0). What is the area of the figure?

A. 8 units^2

B. 15 units^2

C. 16 units^2

D. 18 units^2

3. Triangle *JKL* has coordinates *J*(5, 0), *K*(0, 6), and *L*(0, 0). What is the area of triangle *JKL*?

   A. 11 units^2

   B. 15 units^2

   C. 18 units^2

   D. 30 units^2

4. Jennifer drew a line from the point *E*(1, 1) to *F*(5, $^-$2) on a coordinate plane. She then drew lines from *F* to *G*(5, $^-$5), from *G* to *H*(1, $^-$5), and from *H* back to *E*. What figure did Jennifer draw?

   A. trapezoid

   B. square

   C. rectangle

   D. parallelogram

5. The record low for Florida is 2 degrees below zero Fahrenheit and was set on February 13, 1899. The record high is 109 degrees Fahrenheit and was set on June 29, 1931. Which pair of numbers shows these temperatures, in degrees Fahrenheit, written as integers?

   A. 2 and 109

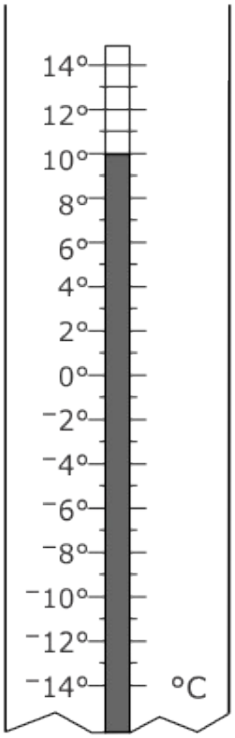
   B. 2 and -109

   C. -2 and 109

   D. -2 and -109

6. Which thermometer shows $^-$12°C?

A.



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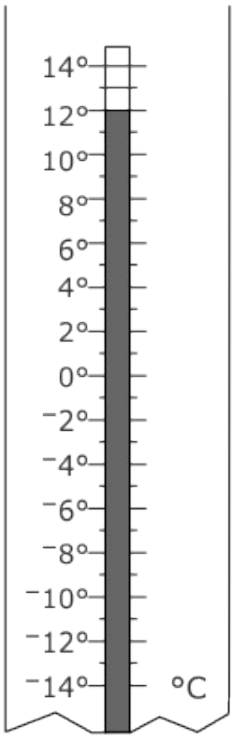

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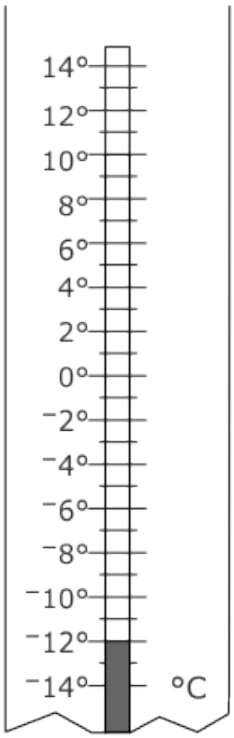
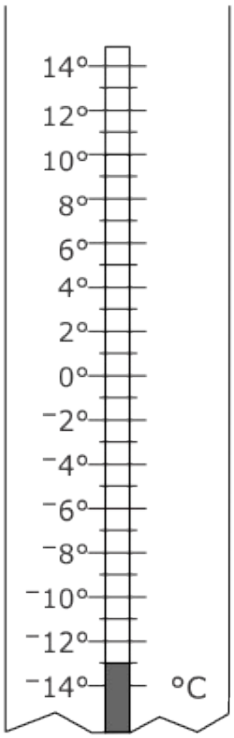


D.



7. Which set of integers represents a debit of $10 and a credit of $6?

A. $\{^{-}10, {}^{+}6\}$

B. $\{^{+}10, {}^{-}6\}$

C. $\{^{-}10, {}^{-}6\}$

8. The elevation of a town is 450 feet above sea level. The elevation of a lake is 25 feet below sea level. What is the difference between the elevations of the town and lake?

A. 425 feet

B. 450 feet

C. 475 feet

9. What is the opposite of $-\frac{1}{4}$?

A. -4

B. $-\frac{1}{4}$

C. $\frac{1}{4}$

D. 4

10. What is the opposite of a negative number?

A. a positive number

B. a negative number

C. one-half of the number

D. one-tenth of the number

11. How would a student move from – 9 to the opposite of – 9 on the number line?

A. Start at –9 and go 9 units left.

B. Start at – 9 and go 9 units right.

C. Start at – 9 and go 18 units left.

D. Start at – 9 and go 18 units right.

12. Which point is located in Quadrant IV?

A. $(5, 3)$

B. $(5, -3)$

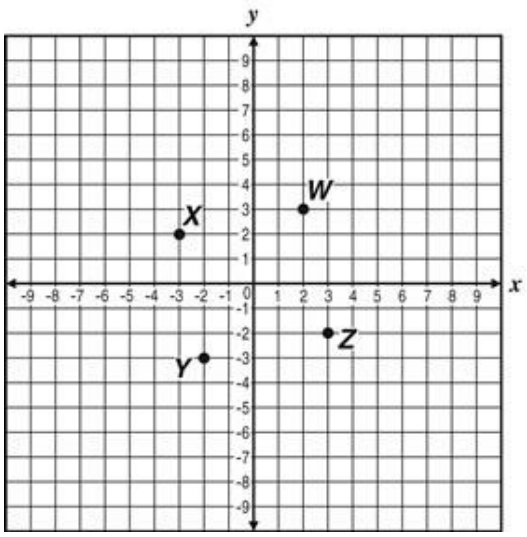
C. $(-3, 5)$

D. $(-3, -5)$

13. **Which quadrant contains the point** $(6, -1)$?

A. Quadrant I
B. Quadrant II
C. Quadrant III
D. Quadrant IV

14. **On this coordinate plane, which point most likely has an *x*-coordinate of** -2?



A. Point *W*
B. Point *X*
C. Point *Y*
D. Point *Z*

15. A student wrote four sentences about the signs of the numbers for ordered pairs in a coordinate plane. Which statement about the signs is false?

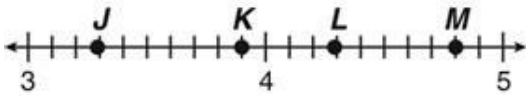
A. In Quadrants I and III, the *x*- and *y*-coordinates have both signs positive or both signs negative.

B. In Quadrants II and IV, the *x*- and *y*-coordinates have one positive sign and one negative sign.

C. In Quadrants I and II, the *x*-coordinates have a positive sign.

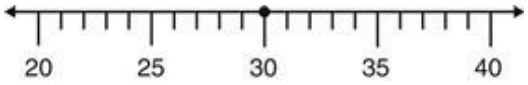
D. In Quadrants III and IV, the *y*-coordinates have a negative sign.

16. **Which point is closest to 4.81 on the number line?**



A. *J*
B. *K*
C. *L*
D. *M*

17. **Which number line represents the graph of 32?**

A.


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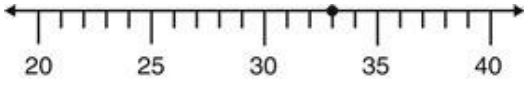

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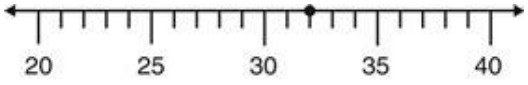
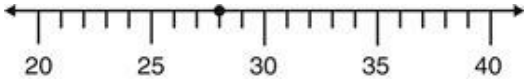
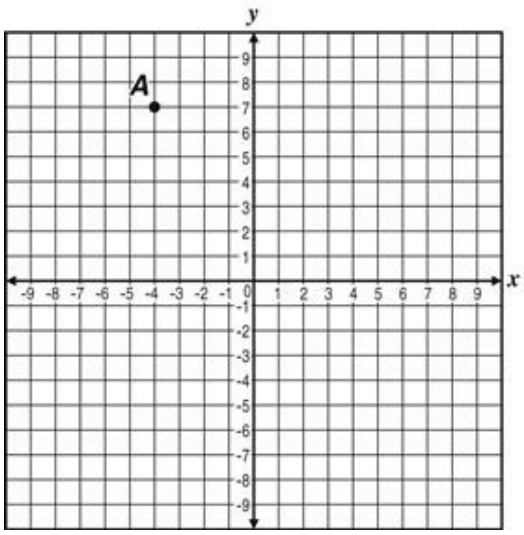


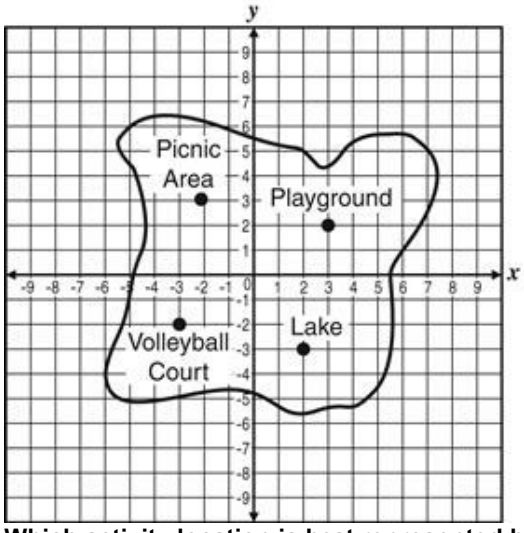
D.


18. **What are the coordinates of Point *A*?**



A. (7, −4)
B. (−4, −7)
C. (4, −7)
D. (−4, 7)

19. **A park area with four activity locations is drawn on the coordinate plane below.**



Which activity location is best represented by the point at $(2, -3)$?

A. Lake
B. Picnic Area
C. Playground
D. Volleyball Court

20. On the coordinate plane, what is the distance between $(^{-}7, 3)$ and $(2, 3)$?

A. 9 units

B. 6 units

C. 5 units

D. 3 units

21. In rectangle *ABCD*, point *A* has coordinates $(-3, 2)$. What could be the coordinates of points *B, C,* and *D*?

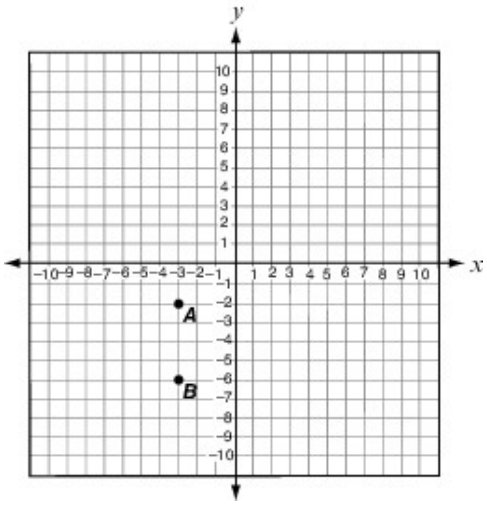
A. $B(-9, 2), C(-3, -2), D(-9, -4)$

B. $B(-3, -4), C(3, -4), D(3, 2)$

C. $B(-3, -4), C(2, -3), D(2, 2)$

D. $B(-3, -8), C(3, 2), D(3, 8)$

22. What is the distance between point *A* and point *B* on the coordinate grid below?



A. 3 units

B. 4 units

C. 6 units

D. 8 units

23. On a coordinate graph, what is the distance between points $P(^{-}4, 1)$ and $Q(5, 1)$?

A. 1 unit

B. 4 units

C. 5 units

D. 9 units

24. What is the length of $\overline{RS}$ if the endpoints of the line segment are $R(^{-}1, 4)$ and $S(5, 4)$?

A. 1 unit

B. 4 units

C. 6 units

D. 8 units

25. Point $P(^{-}5, 6)$ and Point $Q(^{-}5, ^{-}8)$ are on a coordinate plane. What is the distance between these two points?

A. 2 units

B. 8 units

C. 10 units

D. 14 units