

6th Grade Math Common Assessment: Chapter 9

Name: _____ Date _____

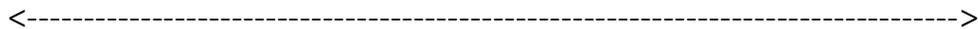
6.NS.5

1.) Which of the following are most likely to be represented by -8 ? **Circle all that apply.**

- a. Temperature drop of -8° F
- b. A depth of 8 meters
- c. A growth of 8 centimeters
- d. A time 8 years ago

6.NS.6

2.) Create a number line and graph -5 , 0 , 2 , and 4 . Then, graph their opposites on the same number line.

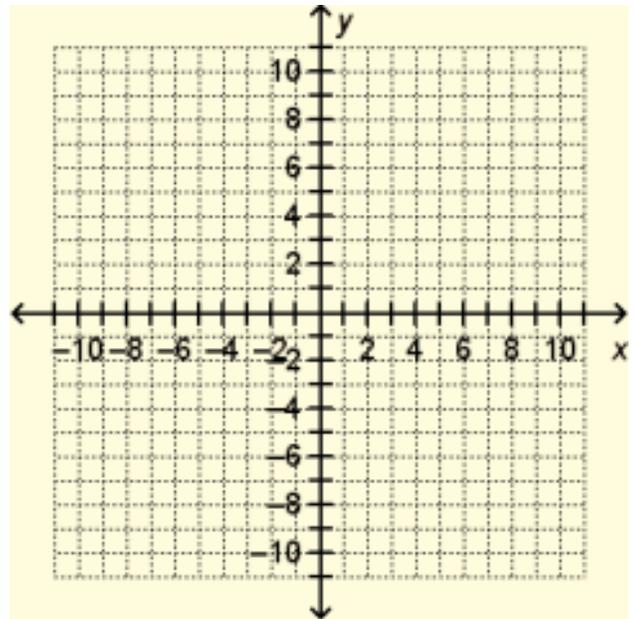


6.NS.6

3a.) Graph and label the point $(-2, 8)$.

3b.) Find the point that represents a reflection of $(-2, 8)$ across the x-axis. Graph and label the result.

3c.) Find the point that represents a reflection of the result from part b across the y-axis. Graph and label the result.



6.NS.7a

4.) A number x is to the left of 10.2 on a number line. Which inequality describes this situation?

- A. $x > 10.2$
- B. $x < 10.2$
- C. $-10.2 < x$
- D. $x < -10.2$

6.NS.7b

5.) Marlene is about to write a check for \$103.48 to pay for groceries. When she subtracts the amount of the check from her account balance, she sees that the new balance would be $-\$28.80$. Rather than overdraw her checking account, Marlene asks the cashier to remove some items. For Marlene to be able to pay by check without overdrawing her account, what is the minimum value of the items the cashier must remove?

- A. $-\$103.48$
- B. $-\$28.80$
- C. $\$28.80$
- D. $\$103.48$

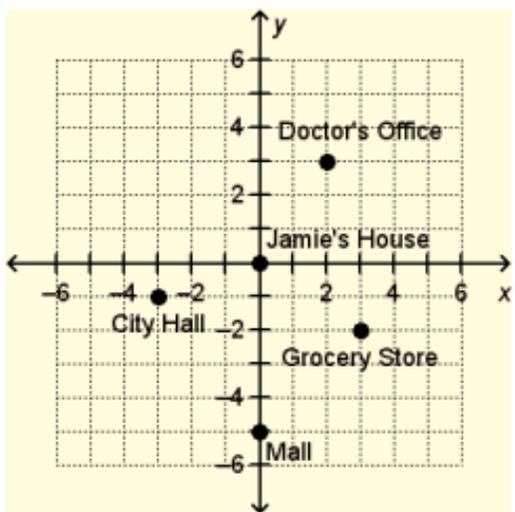
6.NS.7c

6.) How do the numbers -3 and 2 compare? How do their absolute values compare?

- A. -3 is greater than 2 , but 2 has the greater absolute value.
- B. 2 is greater than -3 , but -3 has the greater absolute value.
- C. -3 is greater than 2 , and -3 has the greater absolute value.
- D. 2 is greater than -3 , and 2 has the greater absolute value.

6.NS.8

7.) Jamie's house is in the center of town, at point $(0, 0)$. He is doing some errands in town and stops at the other four labeled points on the coordinate plane. One unit on the coordinate plane represents 1 block. He travels 4 blocks to his first stop. His second stop is 7 blocks from his first stop. He can only travel on the sidewalks, which are represented by the grid lines.

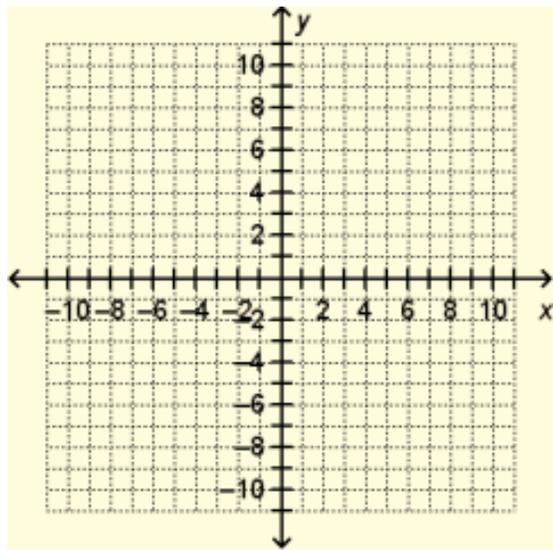


a. Where did Jamie go first? List all possible answers. Justify your answers.

b. Where did Jamie go second? List all possible answers. Justify your answers.

6.G.3

8. Graph the shape that has vertices $A(-3, -2)$, $B(-1, 2)$, $C(4, 2)$, and $D(2, -2)$.



What kind of shape is it? _____