

Grade 6 Topic 2 Online Assessment (question print out)

Name: _____

1.
What is the **opposite** value of Emma's score?

Name	Score
Cassie	-4
Emma	-12
Juanita	6

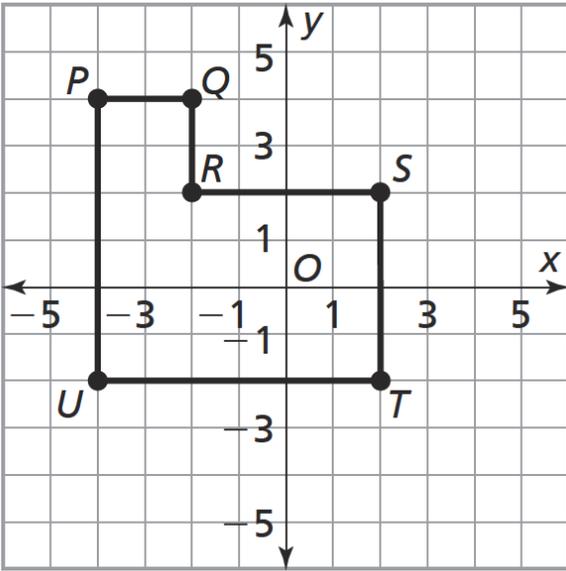
- A. -12
- B. -4
- C. 4
- D. 12

2.
A swimmer dives to 65 feet below the surface of the ocean. Write the integer that represents the depth of the dive.

3.
Which of the following have a value equal to $|37|$?
Select all that apply.

- A. -37
- B. $|-37|$
- C. 0
- D. $-(-37)$
- E. 37

4. What is the perimeter, in units, of polygon $PQRSTU$? Enter your answer in the box.



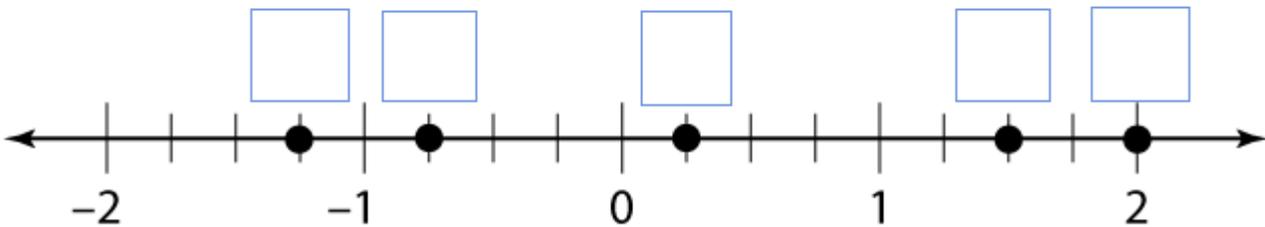
units

5. Jeremy listed five rational numbers. Then he drew a number line to display and compare them.

Part A

Plot the numbers on the number line by dragging each one to the correct location.

$\frac{6}{3}$ $-\frac{3}{4}$ 1.5 0.25 $-\frac{5}{4}$



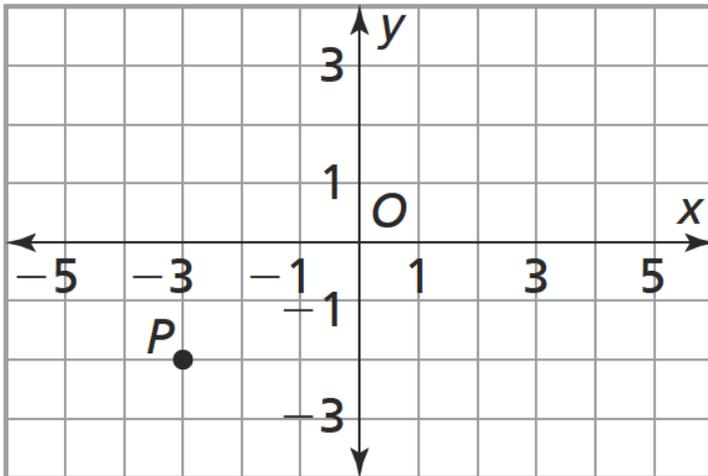
Part B

Choose the inequality that compares the numbers.

$-\frac{3}{4}$ 0.25
 >
 <

6.

Which ordered pair locates point P on the coordinate plane?



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

7.

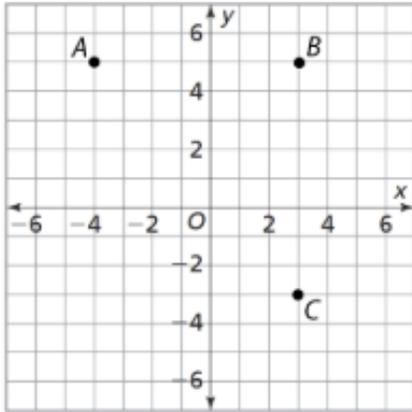
Carlos drew a plan for his garden on a coordinate plane.

Rose bushes are located at $A(-5, 4)$, $B(3, 4)$, and $C(3, -5)$.

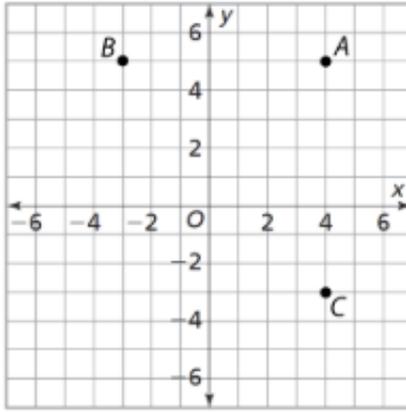
Part A

Choose the graph that shows the locations of the rose bushes.

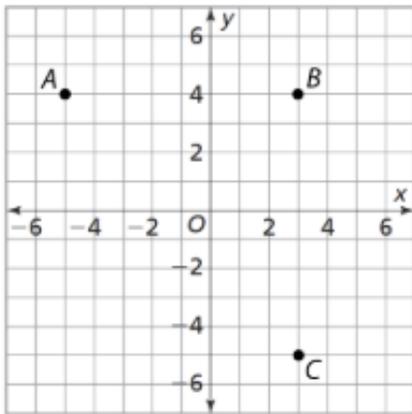
A.



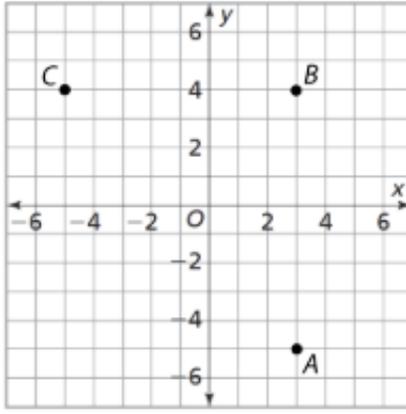
B.



C.



D.



Part B

Use the distance between the rose bushes, which are located at $A(-5, 4)$, $B(3, 4)$, and $C(3, -5)$, to explain where a fourth rose bush should be placed so that it forms a rectangle with the other three bushes.

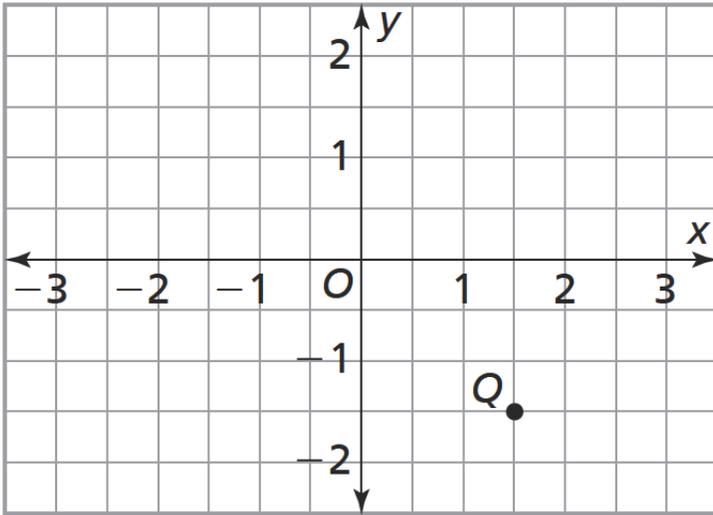
A and B are units apart. B and C are units apart.

So the fourth bush should be units to the

left of point C and units below point A.

The fourth bush should be located at (,).

8. Enter decimal numbers in the boxes to complete the ordered pair that locates point Q on the coordinate plane.



(,)

9. Choose all pairs of points that are reflections of each other across both axes.

A. $(-4\frac{1}{2}, 1)$ and $(-1, 4\frac{1}{2})$

B. $(2.5, -1)$ and $(-2\frac{1}{2}, 1)$

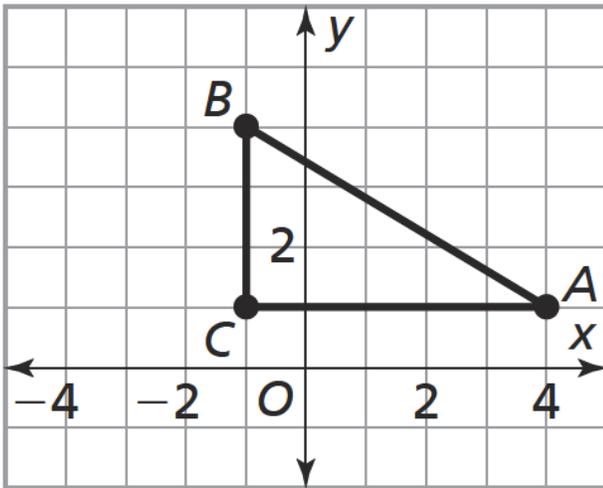
C. $(4.2, -1)$ and $(2.4, -1)$

D. $(1, -2.25)$ and $(-1, 2\frac{1}{4})$

E. $(-2, 2\frac{1}{3})$ and $(2, 2\frac{1}{3})$

10.

Choose Yes or No to tell whether each statement is correct.



BC is 2 units long.

No
Yes

CA is 5 units long.

No
Yes

BC is shorter than *BA*.

No
Yes

AC is 2 units longer than *BC*.

No
Yes