

Name _____

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

Name	Score
Cassie	-4
Emma	-12
Juanita	6

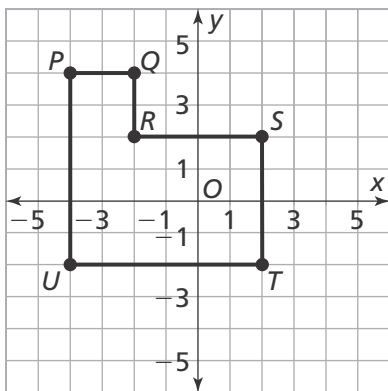
- (A) -12 (C) 4
(B) -4 (D) 12

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 $|37|$?

- 37 $|-37|$
 0 $-(-37)$
 37

4. What is the perimeter, in units, of polygon $PQRSTU$?

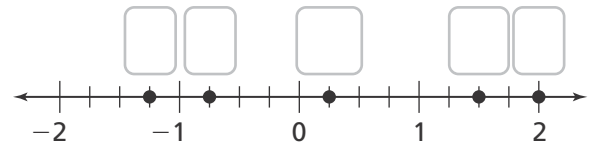


5. Jeremy listed five rational numbers. Then he drew a number line to display and compare them.

Part A

Plot the numbers on the number line.

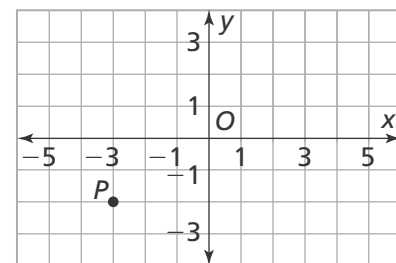
$\frac{6}{3}, -\frac{3}{4}, 1.5, 0.25, -\frac{5}{4}$



Part B

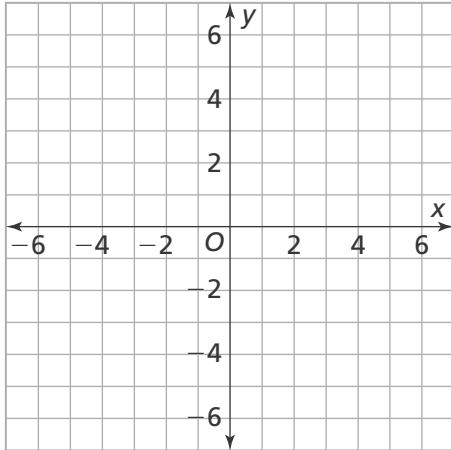
Write an inequality that compares one of the fractions to one of the decimals. Then explain how the number line helps you decide which number is greater.

6. Which ordered pair locates point P on the coordinate plane?



- (A) $(-3, -2)$ (C) $(-2, -3)$
(B) $(-3, 2)$ (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 $C(3, -5)$.



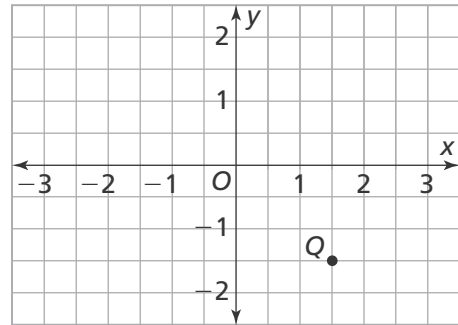
Part A

Graph and label the points to show the locations of the rose bushes.

Part B

Where should Carlos place a fourth rose bush if he wants to have the bushes form a rectangle? Explain.

8. Which ordered pair locates point Q on the coordinate plane?

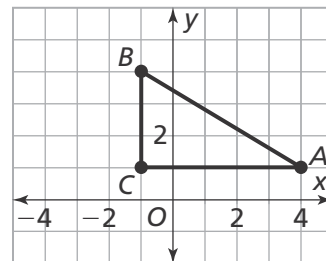


- (A) $A(1.5, -1.5)$ (C) $C(-1.5, -1.5)$
 (B) $B(1.5, 1.5)$ (D) $D(-1.5, 1.5)$

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

- $(-4\frac{1}{2}, 1)$ and $(-1, 4\frac{1}{2})$
 $(2.5, -1)$ and $(-2\frac{1}{2}, 1)$
 $(4.2, -1)$ and $(2.4, -1)$
 $(1, -2.25)$ and $(-1, 2\frac{1}{4})$
 $(-2, 2\frac{1}{3})$ and $(2, 2\frac{1}{3})$

10. In 10a–10d, choose Yes or No to tell whether the statement is correct.



- 10a.** BC is 2 units long. Yes No
10b. CA is 5 units long. Yes No
10c. BC is shorter than BA . Yes No
10d. AC is 2 units longer than BC . Yes No