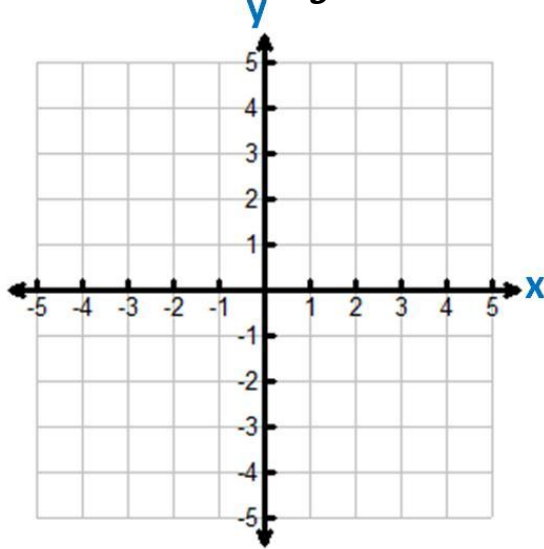
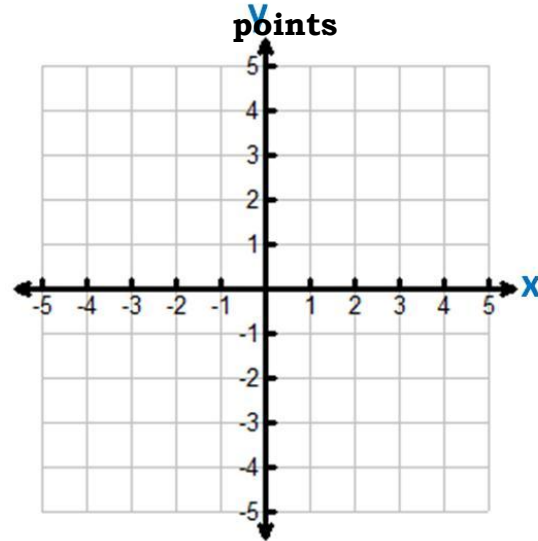


## Station 1: Graphing, Distance, and Reflections

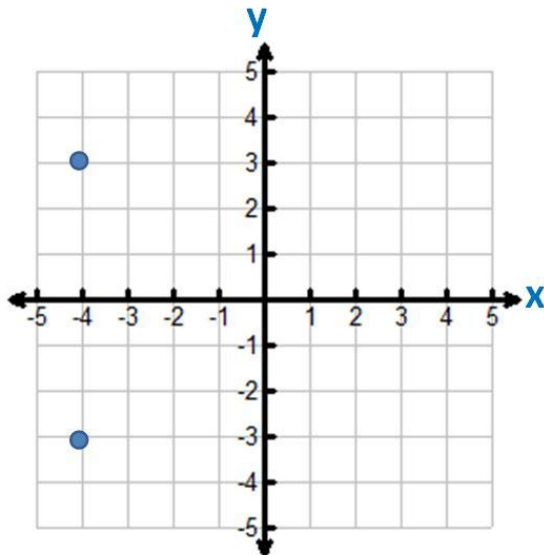
**Plot the point  $(-3, 5)$  and reflect it over the  $y$ -axis**



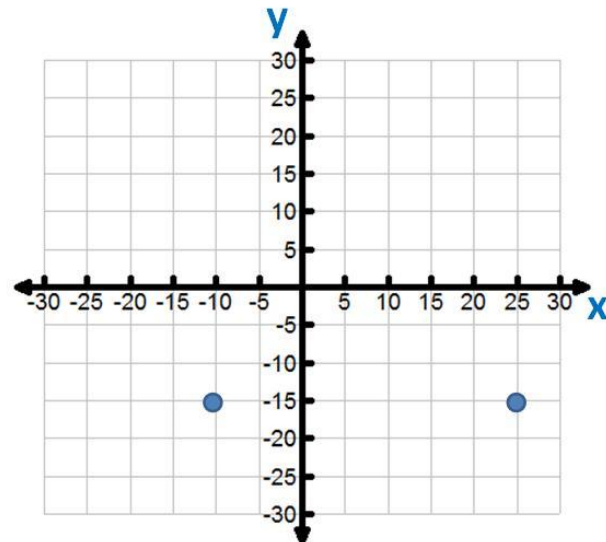
**Plot the points  $(-4, -1)$  and  $(3, -1)$  and find the distance between the points**



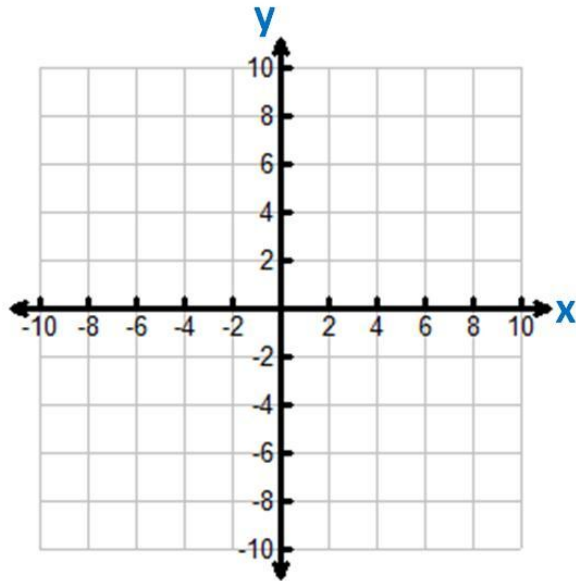
**The following points are reflected over which axis?**



**What is the distance between the following points?**



**Plot the point  $(6, 2)$ . Move that point 4 units down and 3 units left**

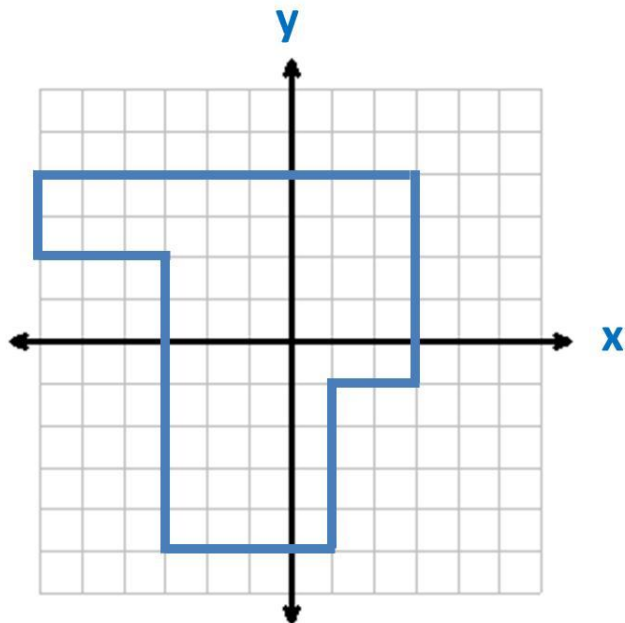


**Reflect that point across the  $y$ -axis and then the  $x$ -axis**

Which of the following represents the distance between the two points:

$(-6, 4)$  and  $(3, 4)$

**The layout for a school park is graphed to the left. If each unit represents 15 feet, what is the perimeter of the park in feet?**



**A**  $|-6| + |3|$

**B**  $|3| - |-6|$

**C**  $|-6| + |-4|$

**D**  $|4| - |-6|$

**Station 2: Ordering Rational Numbers**

$-12$  \_\_\_\_\_  $-5$

$0.25$  \_\_\_\_\_  $0.205$

$|-10|$  \_\_\_\_\_  $-9$

$\frac{5}{8}$  \_\_\_\_\_  $0.62$

$-|1|$  \_\_\_\_\_  $-(-4)$

$-\frac{2}{5}$  \_\_\_\_\_  $-0.402$

The temperature at noon on a winter day was 8° C. At midnight, the temperature dropped 15°. What was the temperature at midnight?

An architectural drawing of a building shows the elevation of the basement floor to be -12 feet. The elevation of the roof is 32 feet. What is the total distance from the roof to the basement floor?

A football team gained 6 yards on first down, lost 15 yards on second down, and gained 12 yards on third down. How many yards do they need to gain on the fourth down to have a 10 yard gain from their starting position?

Carla’s credit card statement showed that she owed \$350. She made a payment of \$200, then she charged \$23 for gasoline. She returned a sweater she had charged earlier for a refund of \$35. Then she charged \$15 at the bookstore. What is her new balance?

Order the following from **Greatest to Least**

$-\frac{1}{8}$     $0.5$     $\frac{3}{2}$     $-1.87$     $-0.087$

Order the following from **Least to Greatest**

$|30|$     $-(-51)$     $-|-22|$     $63$     $12$     $-|63|$

## Station 3: Comparing Rates

You bike 39 miles in 5 hours.  
Find the Unit Rate in miles per hour

### **Find the Better Buy (Cheapest Per Item)**

Should you buy 4 pairs of socks that cost \$5.04 or 7 pairs of socks that cost \$8.54?

You can bike 63 miles in 3.5 hours.  
How far can you bike in 8 hours.

The ratio of boys to girls in the 6<sup>th</sup> grade is 2 : 3. If there are 75 students, how many more girls are there than boys?

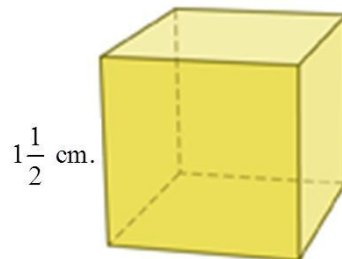
How many inches is 15 centimeters?

**Use 1 inch = 2.54 cm**

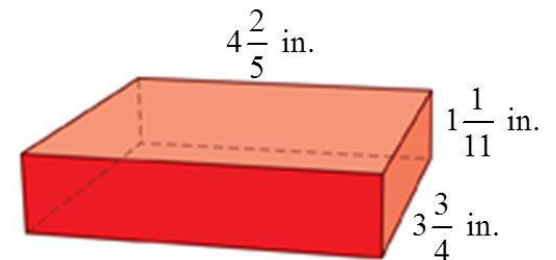
Jordan walks 9 miles in 2 hours? How long did Jordan walk in 18 minutes?

## Station 4: Volume

**Find the Volume of the Cube**



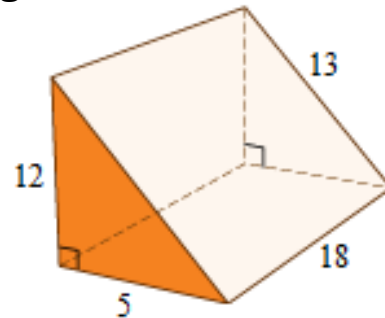
**Find the Volume of the Rectangular Prism**



**Find the Volume of a Rectangular Prism when the Area of the Base is  $3\frac{3}{4} \text{ m}^2$  and the height is  $\frac{3}{10} \text{ m}$**

**The Volume of a Rectangular Prism is  $3 \text{ in}^3$ . If the length of the prism is  $\frac{3}{4} \text{ in}$  and the width is  $\frac{1}{3} \text{ in}$ , what is the height?**

**Find the Volume of the Triangular Prism**



**Find the Volume of the Hexagonal Prism**

