Tuesday
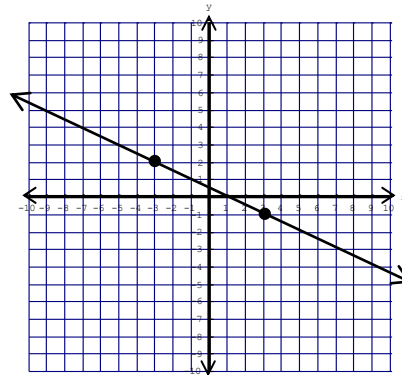
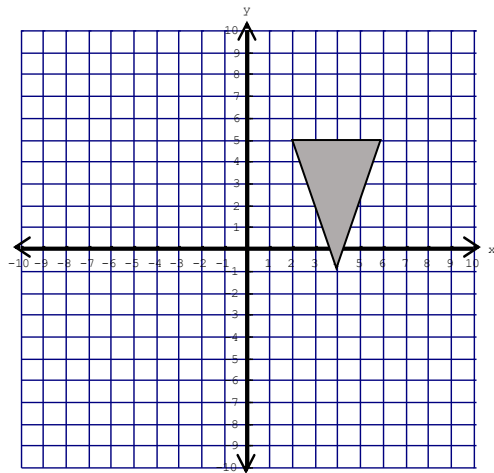1. The formula for area of a square is $A=s^2$. If the area is $225cm^2$, what is the side length of the square?

What is the perimeter?

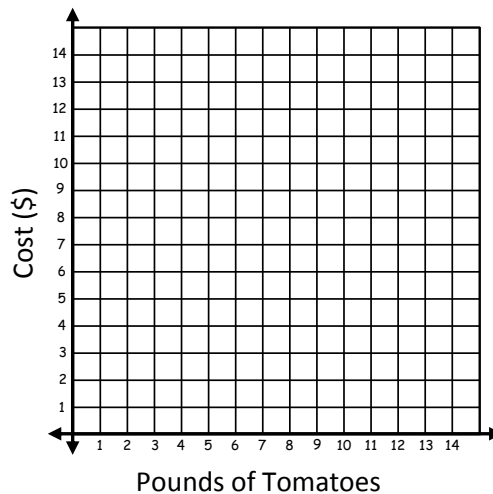2. Write the equation for this line.

3. Use the given figure to:
a) draw the reflection over the x-axis.
b) draw the horizontal translation 7 units to the left.
c) give the coordinates for the vertices of the final
    image.

4. Tell whether each number is rational or irrational.

   a) $\frac{3}{10}$ b) $\frac{\sqrt{9}}{5}$ c) $\sqrt{7}$ d) π e) $\frac{21}{\sqrt{4}}$ f) $\frac{4}{7}$ g) $\sqrt{30}$
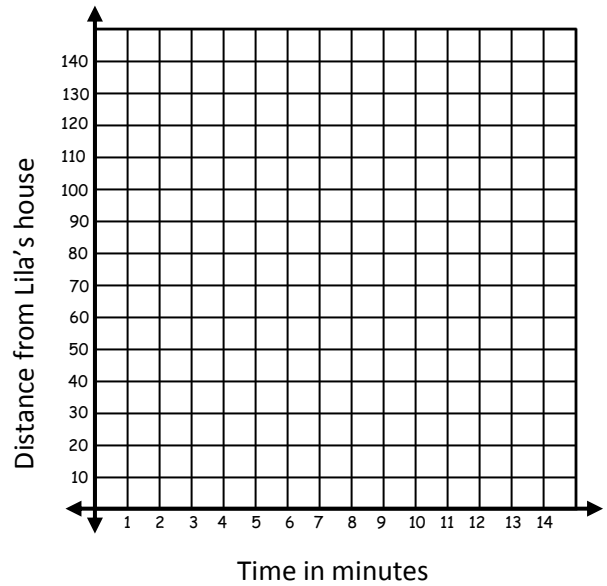
5. Tomatoes cost $1.50/pound.
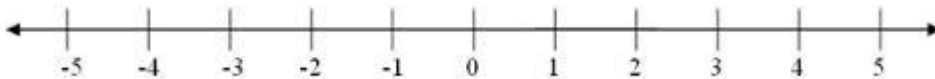   Draw a graph of the relationship.

1. Water can fill a dam at a rate of 6.4×10^4 gallons per minute. How much water is in the dam after 7.8×10^3 minutes? Put your answer in scientific notation.

2. Draw a graph to represent the following situation. The park is 80 meters from Lila's house. She walked 40 meters toward the park in 3 minutes. She realized she left her bat at home and returned at the same speed. It took her 2 minutes to find her bat. She then walked to the park in 4 minutes.
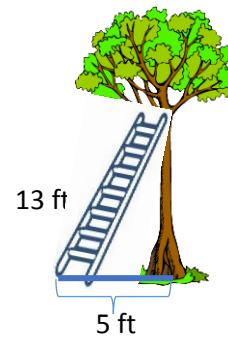
Distance from Lila's house

140
130
120
110
100
90
80
70
60
50
40
30
20
10

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Time in minutes

3. Place these numbers on the number line.

a) π b) $\frac{7}{10}$ c) $\sqrt{3}$ d) $\sqrt{16}$ e) $\frac{-5}{3}$

-5 -4 -3 -2 -1 0 1 2 3 4 5

4. A 13 ft. ladder is leaning against a tree.
The base of the ladder is 5 ft. from the base of the tree.
How far up does the ladder touch the tree?

13 ft

5 ft

5. If the radius of the cone is 3 ft. and the volume is approximately $38\ ft^3$, find the height.

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