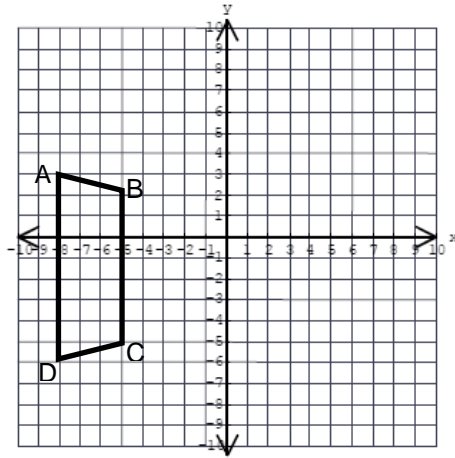
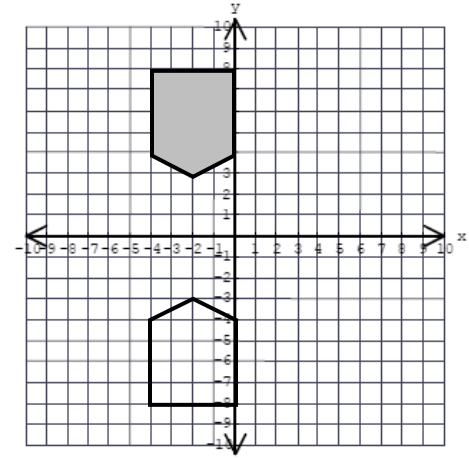


Thursday:

1. Rotate the figure 90 degrees clockwise. Write the coordinates of the original figure and of the image.



2. Write the rule of the transformation of the shaded to non-shaded figure



Rule: _____

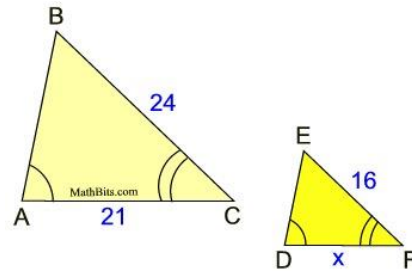
3. Solve and show the check step:

a. $\frac{1}{5}q = 9 - \frac{2}{5}q$

b. $5x + 2 - x = -4x$

c. $3(b - 4) = 5b - 2$

4. The triangles are similar. Find the missing side length.



5. Simplify

a. 3^{-4}

b. 32^0

c. $\frac{8^3}{8^5}$

d. $\frac{(-9)^4}{(-9)^7}$

e. $6^{-1} \cdot 6^{-2}$

6. Write the number in scientific notation.

a. 350,000

b. 0.0004

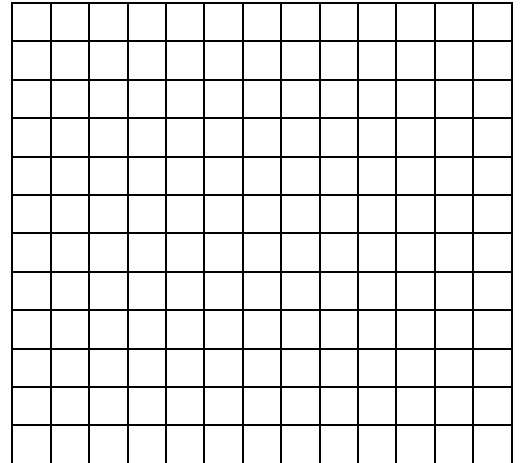
c. 0.0000000000000527

d. 12,500,000

Fridayp

1. The hare challenged the tortoise to a race from the water fountain to the park bench. In order to ensure a fair race, the tortoise will start 10 feet ahead of the starting line. The tortoise is moving at a rate of 2 feet per minute. The hare is moving at a rate of 6 feet per minute.

- a. How long will it take for the hare to catch up to the tortoise?
- b. The distance from the water fountain to the park bench is 18 feet. Who won the race?



2. Evaluate the expression.

a. $2\sqrt{25} + 3$

b. $7 - 12\sqrt{\frac{1}{9}}$

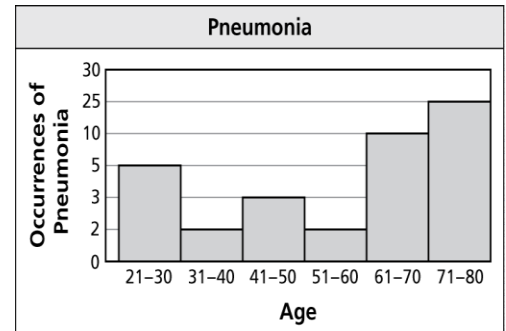
c. $6\sqrt{2.25} - 4.2$

3. Solve each system.

a. $y = x + 3$
 $y = 5x - 5$

b. $y = 3x - 1$
 $y = x - 7$

4. Explain why the data set is misleading



Step n	Total # of squares
0	
1	
2	
3	
4	
9	

pattern you see _____

Equation: _____

Graph the function.

