

Alg 1 Bellwork Thursday, Sept. 4, 2014

1. There are 2.2 kilograms per pound. Write an equation for the number of pounds in an unknown number of kilograms. Define your variables.

2. Find the slope of the line that passes through each pair of points. Give fractional answers in reduced form.

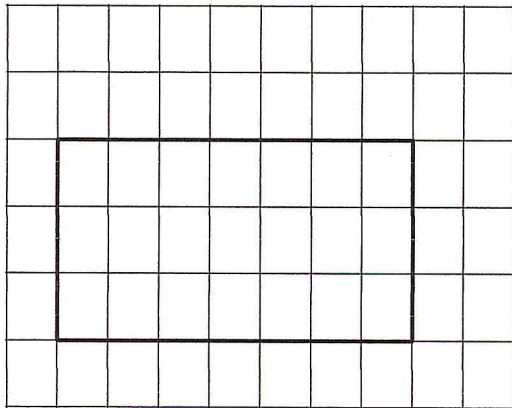
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

a. $(-8, -29)$ & $(12, 16)$

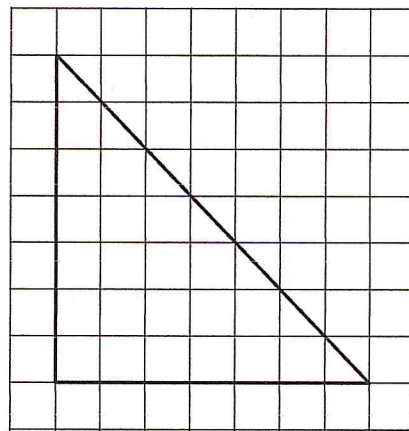
b. $(3, -8)$ & $(3, 4)$

Find the area of each figure.

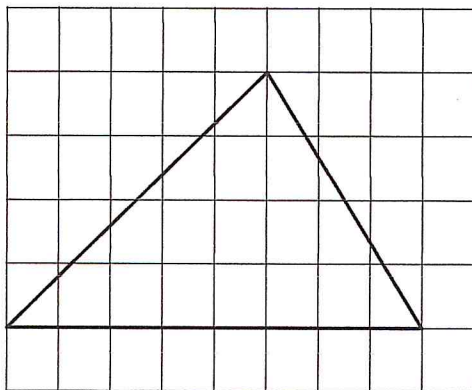
3.



4. Area of a Triangle: $A = \frac{1}{2}bh$



5.



6. Write an equation to model the data in the table.

# of Parts	Cost
4	\$11
7	\$19.25
13	\$35.75
18	\$49.50