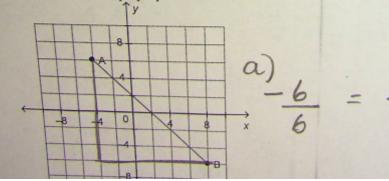
Name: Ansy

## **Review Slope**

1. Write an equation (slope intercept form) for the graph of a linear function that has slope 8 and y-intercept of 7.

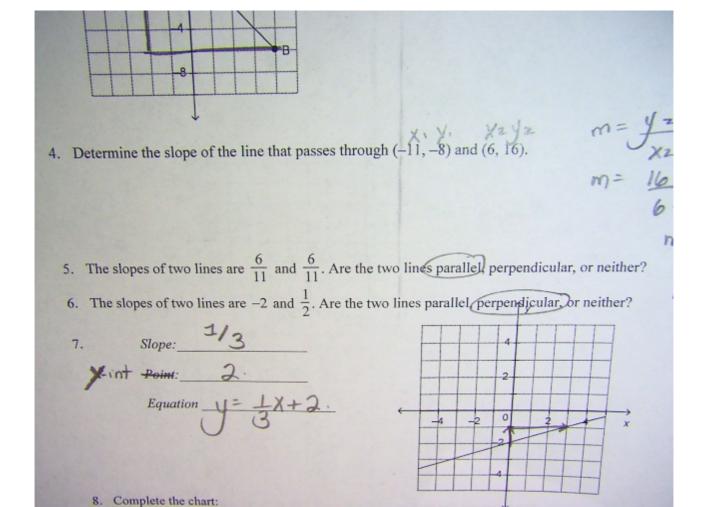
2. Write the equation(slope intercept form) of a line with a y-intercept of -4 and a slope of 4/3.

- 3. a) Determine the slope of this line segment.
  - b) What is the slope perpendicular to it?



b) Perp. + 1

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rough $(-11, -8)$ and $(6, 16)$ .
$m = \frac{168}{611}$
m = 16 + 8 the two lines parallel perpendicular or neither?
o the two miss paramet, perpendicular, or nether:
the two lines parallel perpendicular, or neither? $M = \frac{24}{12}$



8. i) 
$$4(x-9) = 3(y+3)$$
  
 $4x-3b = 3y+9$   
 $3y+9 = 4x-3b-9$  Slope =  $\frac{4}{3}$ .  
 $3y = \frac{4}{3}x-\frac{4}{3}$   $y-int = -15$   
 $y = \frac{4}{3}x-15$ .  
ii)  $\frac{2}{3}x+6 = \frac{4}{3}y$   
 $\frac{2}{3}y = \frac{2}{3}x+6$   
 $\frac{2}{3}y = \frac{2}{3}x+6$ 

9. Find the value of K. 
$$(-3, K)$$
 and  $(2, 10)$ .  $M = 17/6$ 

$$\begin{array}{c}
17 & 10 - K \\
6 & 2 + 3 \\
13 & 13 - 10 - K
\end{array}$$
10. Determine the slope of the line of this equation:  $9x + 5y - 13 = 0$ 

$$\begin{array}{c}
(y = mx + b)
\end{array}$$
11. a) Determine the slope and y-intercepts of this equation:  $5x + 8y + 40 = 0$ 

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\end{array}$$

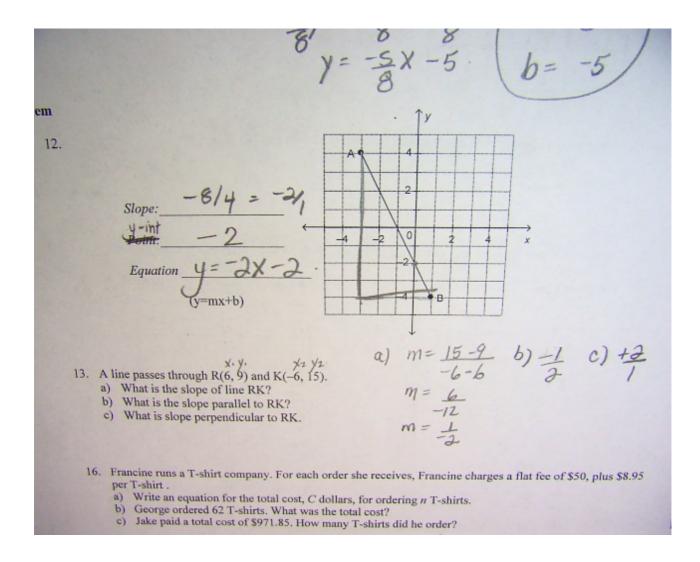
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11. a) Determine the slope and y-intercepts of this equation:  $5x + 8y + 40 = 0$ 

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$$\begin{array}{c}
(y = mx + b)
\end{array}$$
Problem



3. A line passes through R(6, 9) and K(-6, 15).

a) What is the slope of line RK?

b) What is the slope parallel to RK?

c) What is slope perpendicular to RK.

16. Francine runs a T-shirt company. For each order she receives, Francine charges a flat fee of \$50, plus \$8.95 per T-shirt.

a) Write an equation for the total cost, C dollars, for ordering n T-shirts.

b) George ordered 62 T-shirts. What was the total cost?

c) Jake paid a total cost of \$971.85. How many T-shirts did he order?

$$M = 8.95$$

$$D = 50$$

$$X = \# 0.00$$

$$X = \# 0.00$$