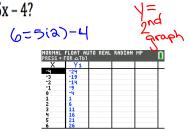
Algebra 1 Test 3 Review

Graphing Linear Equations

Which ordered pair is a solution of the equation y = 5x - 4?



(5, -9)

(6, 12)C (-3, 4)

(2, 6)

(-2, -4) and (-2, 5)c.)

 $\frac{5-4}{-2-2} = \frac{9}{0} = \text{Undefined}$

(-3, -10) and (3, -8)d.)

$$\frac{-8-10}{3-3}=\frac{2}{6}=\frac{1}{3}$$

Find the slope of the line passing through each pair of points listed below.

a.)

(3, 9) and (-4, 5)
$$\frac{\sqrt{2}}{\sqrt{2}-\sqrt{1}}$$

 $\frac{9-9}{-4-3} = \frac{0}{-7} = 0$ Zero

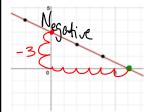
b.) (-4, 8) and (4, 2)

$$\frac{2-8}{4-4} = \frac{-6}{8} = \frac{-3}{4}$$

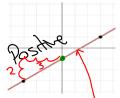
3 Find the slope of the line passing (4, 0)M= $\frac{1}{\sqrt{2}-\sqrt{1}}$, through (5, 1) with an x-intercept of 4. $\frac{1}{\sqrt{2}-\sqrt{1}}$ = $\frac{-1}{-1}$ = $\frac{1}{\sqrt{2}-\sqrt{1}}$ and $\frac{1}{\sqrt{2}-\sqrt{1}}$

4 Find the slope of the line passing through (3, -1) with a y-intercept of 5. $M = \frac{1}{2} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{5}{\sqrt{2}} = \frac{1}{\sqrt{2}} = -2$

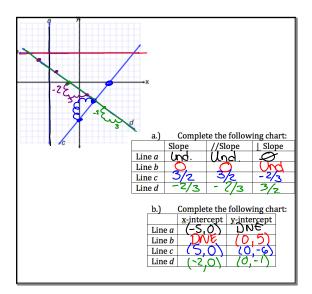
Given the following graph:

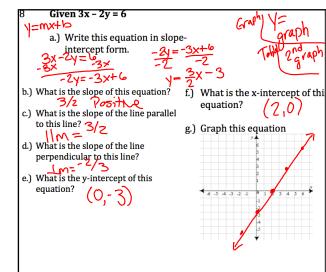


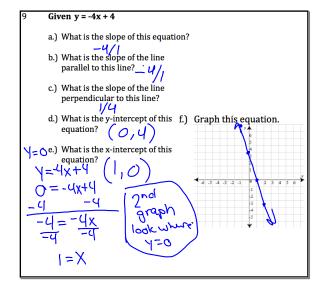
- a.) x-intercept? ((b, b)) d.) Slope of the line parallel to this
- b.) y-intercept? (0,3)
- e.) Slope of the line perpendicular to c.) Slope?
 - $\frac{13}{13} = -\frac{1}{1}$

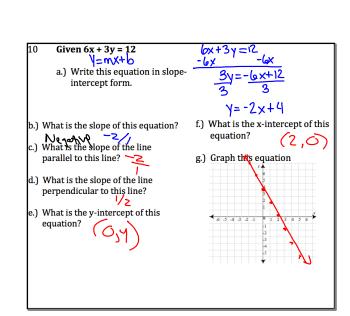


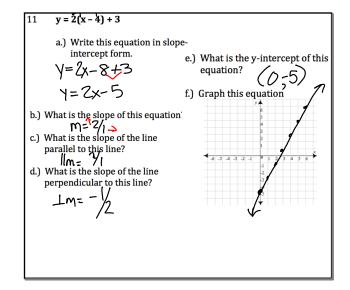
- a.) The x-intercept is between which two numbers? land 2
- b.) y-intercept? d.) Slope of the line parallel to this line? c.) Slope? $\begin{array}{c} (O, \neg f) \\ \text{line?} \\ \text{m} = \sqrt[8]{3} \end{array}$
- rise $\frac{1}{1}$ $\frac{1}{1}$

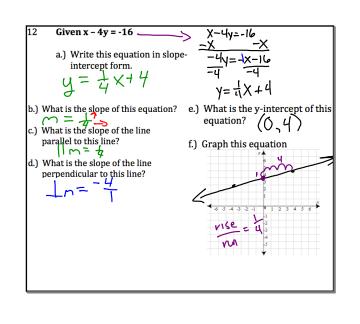


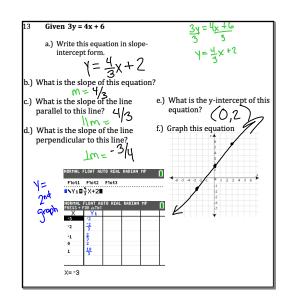


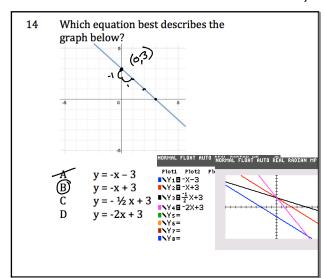


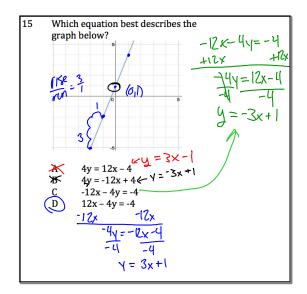


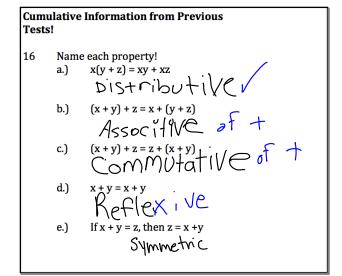


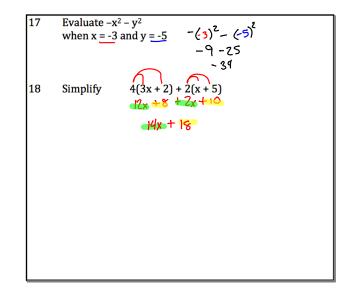












19 Solve
$$3(x-5) = 7x + 11$$

$$3x - |5| = 7x + |6|$$

$$-3x$$

$$-|5| = 4x + |6|$$

$$-26 = 4x$$

$$-26 = 5 = x$$
20 Solve the following equation for c

$$a = \frac{1}{3}bc$$

$$3 = 4c$$

$$5 = 4c$$

$$5 = 4c$$

$$5 = 5$$

$$3c = 6$$

$$3c = 6$$

21 Solve
$$-6x < x + 14$$

$$- \times - \times$$

$$- \frac{1}{7} \times < \frac{14}{-7}$$

$$\times > -2$$

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