STAPLE

Name _____ *Score*: $\frac{\quad}{5}$

Gillespie
Course 3: Gauge Ch3f
Proportional Relationships and Slope

This assignment is a gauge and will not be graded

1) Find the slope of the line that passes through $(19, -2)$ and $(-11, 10)$.

a) $-\frac{2}{5}$

b) $-\frac{1}{2}$

c) $\frac{3}{4}$

d) $\frac{23}{12}$

2) Find the equation for the linear function.

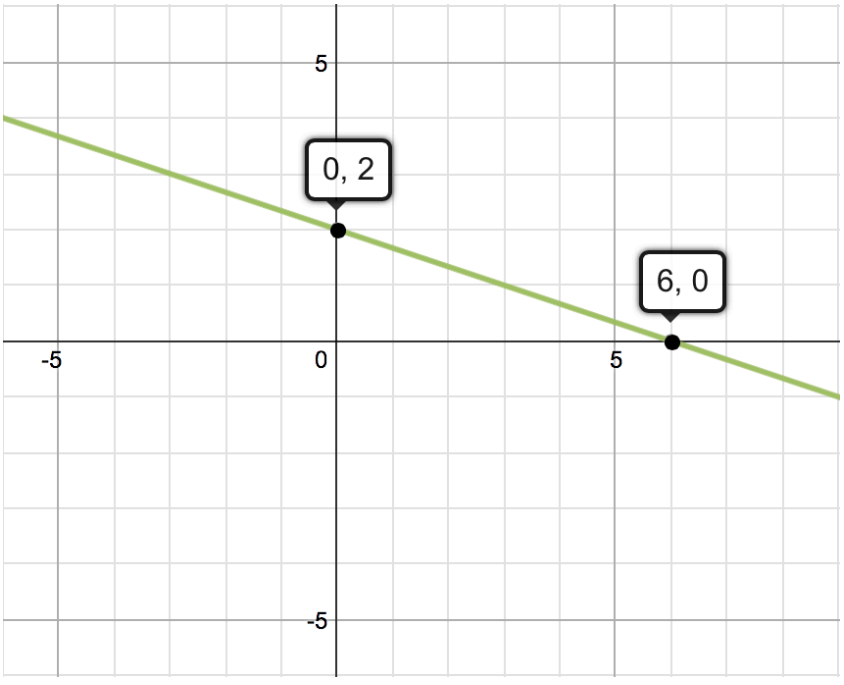
hint: $y = mx + b$
$m = slope$
$b = y - int$

a) $y = \frac{1}{3}x + 2$

b) $y = -3x + 2$

c) $y = -\frac{1}{3}x - 2$

d) $y = -\frac{1}{3}x + 2$



STAPL

3) What is the equation of the line that passes through $(1, 7)$ and $(-4, -8)$?

$hint: y = mx + b$
$m = slope$
$b = y - int$

a) $y = 3x - 4$

b) $y = -3x - 4$

c) $y = -3x + 4$

d) $y = 3x + 4$

4) Find the x- and y-intercepts of the line $15x - 12y = 60$

$hint:$
$x - int: (x, 0)$
$y - int: (0, y)$

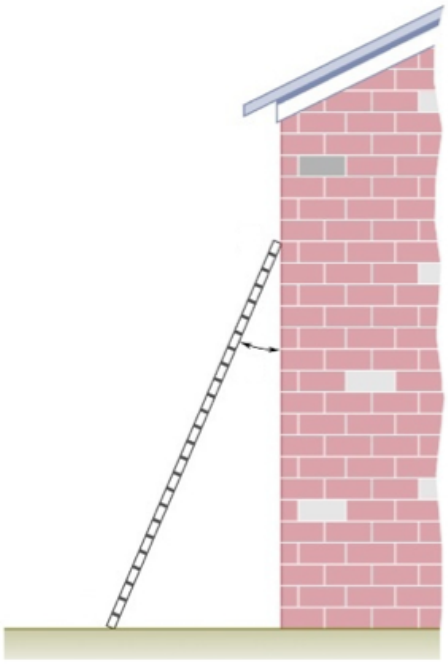
a) $x - int = 4$; $y - int = 5$

b) $x - int = 4$; $y - int = -5$

c) $x - int = -4$; $y - int = -5$

d) $x - int = -5$; $y - int = 4$

5) The top of Sophie's ladder is resting against the side of her house 13 feet above the ground. If the base of the ladder is 5.2 feet from the house, what is the slope of the ladder?



a) 2.5

b) 2.6

c) 5.2

d) $\frac{run}{rise}$