STAPLE

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

Gillespie
Course 3: Gauge Ch3g
Proportional Relationships and Slope

This assignment is a gauge and will not be graded

1) Find the slope of the line that passes through $(20, 8)$ and $(10, 16)$.

a) $\frac{8}{10}$

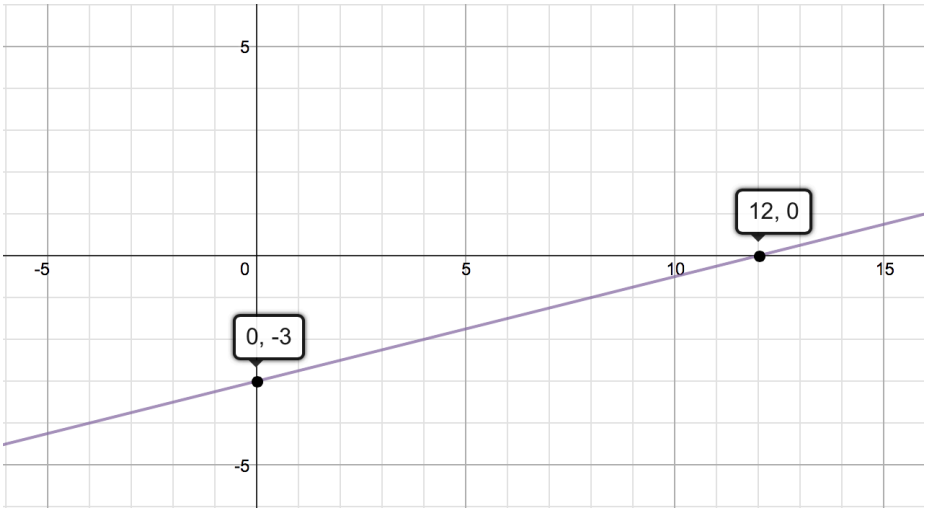
b) $-\frac{4}{5}$

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

d) $\frac{10}{8}$

2) Find the equation for the linear function.

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



a) $y = 4x + 12$

b) $y = -3x + 4$

c) $y = -\frac{1}{4}x - 3$

d) $y = \frac{1}{4}x - 3$

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3) What is the equation of the line that passes through $(20, 1)$ and $(0, -4)$?

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

a) $y = \frac{1}{4}x - 4$

b) $y = -3x - 4$

c) $y = -3x + 4$

d) $y = -\frac{1}{4}x - 4$

4) Find the x- and y-intercepts of the line $2x - 5y = 25$

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

a) $x - int = 10$; $y - int = 5$

b) $x - int = 12.5$; $y - int = -5$

c) $x - int = -12.5$; $y - int = -5$

d) $x - int = -5$; $y - int = 12.5$

5) Interpret the unit rate of this graph and compare it to the slope.

a) $unit\ rate = \frac{5}{1}$; $slope = 5$

b) $unit\ rate = \frac{5}{1}$; $slope = 6$

c) $unit\ rate = \frac{6}{1}$; $slope = 7$

d) $unit\ rate = \frac{5}{1}$; $slope = 7$