STAPLE

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

Gillespie
Course 3: Gauge Ch3b
Proportional Relationships and Slope

This assignment is a gauge and will not be graded

1) Determine the constant rate of change between *x* and *y* in each table.

$hint: \frac{change\ in\ y}{change\ in\ x}$

$\#\ of\ bottles\ (x)$	1	2	3
$cost, \$\ (y)$	4.50	7.25	10

a) $\$1\ per\ bottle$

b) $\$2.75\ per\ bottle$

c) $\$3.25\ per\ bottle$

d) $\$4.50\ per\ bottle$

2) Find the slope of the line that passes through $(-3, 3)$ and $(5, 3)$.

a) 0

b) $-\frac{8}{0}$

c) $\frac{8}{0}$

d) $undefined$

3) Find the slope of the line that passes through $(-4, 1)$ and $(2, -3)$.

a) $-\frac{3}{2}$

b) $-\frac{2}{3}$

c) $\frac{2}{3}$

d) $\frac{3}{2}$

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4) Determine the slope (aka constant rate of change) of this line.

$hint: choose\ two\ points\ to\ find\ slope = \frac{rise}{run} \rightarrow \frac{change\ in\ y}{change\ in\ x} \rightarrow \frac{y_2 - y_1}{x_2 - x_1}$

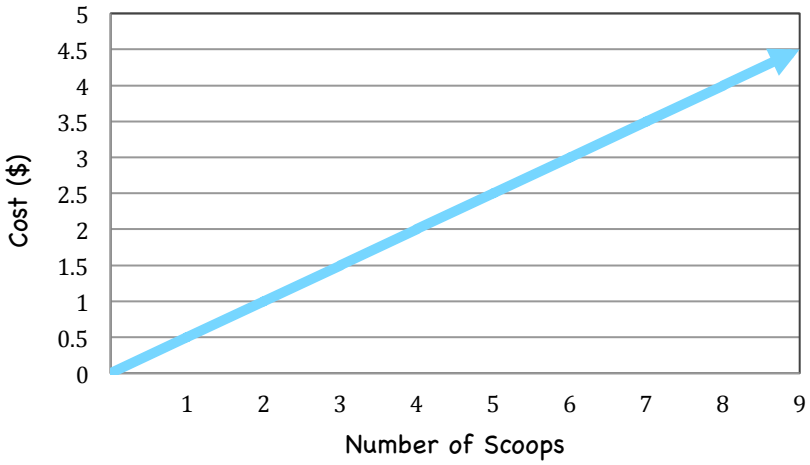
# of scoops (x)	cost, \$ (y)
x_2	y_2
x_1	y_1

a) \$0.50 *per scoop*

b) \$1.00 *per scoop*

c) \$1.50 *per scoop*

d) \$2.00 *per scoop*



5) Determine the slope (aka constant rate of change) of this line.

$hint: choose\ two\ points\ to\ find\ slope = \frac{rise}{run} \rightarrow \frac{change\ in\ y}{change\ in\ x} \rightarrow \frac{y_2 - y_1}{x_2 - x_1}$

# of batches (x)	cups (y)
x_2	y_2
x_1	y_1

a) $1\frac{1}{2}$ *cups per batch*

b) 2 *cups per batch*

c) $2\frac{1}{2}$ *cups per batch*

d) $3\frac{1}{2}$ *cups per batch*