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

Gillespie
Course 3: Gauge Ch3a
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.

a) $1.50 *per bottle*

b) $1.25 *per bottle*

c) $2.75 *per 2 bottles*

d) $3.5 *per 2 bottles*

# of bottles	2	4	6
cost ($)	4.50	7.50	10.50

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

a) $8 *every 2 hours*

b) $7 *per hour*

c) $8 *per hour*

d) $9 *per hour*

time (hours)	charge ($)
1	9
2	16
3	23
4	30

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

a) -122 *gallons per 2 hours*

b) -61 *gallons per hour*

c) -12 *gallons per hour*

d) -6 *gallons per hour*

time (hours)	H_2O *(gallons)*
2	122
4	110
6	98
8	86

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

a) $-\dfrac{1}{6}$

b) $-\dfrac{6}{1}$

c) $\dfrac{1}{6}$

d) $\dfrac{6}{1}$

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

a) -3

b) -1

c) 1

d) 3