

**PRACTICE #2: LESSON 4.1 – CALCULATING & INTERPRETING SLOPE**

Name: \_\_\_\_\_

**Learning Goal:** I can calculate the **slope** of a relationship when represented by a graph, table, equation, or ordered pairs.

**Meta de Aprendizaje:** Puedo calcular la **pendiente** de una relación cuando representada por un gráfico, tabla, ecuación o pares ordenados.

**Language Goal:** I can describe the **slope** of a relationship as a unit rate or rate of change, like “the y-value changes by \_\_\_\_\_ when the x-value changes by \_\_\_\_\_.”

**Lenguaje Objetivo:** Puedo describir la **pendiente** de una relación como una tasa unitaria o tasa de cambio, al igual que “los cambios de valor de y por \_\_\_\_\_ cuando cambia el valor de x por \_\_\_\_\_.”

**DIRECTIONS:** FIND THE SLOPE AND DESCRIBE THE SLOPE USING THE TABLE.

x	y
-2	5
-1	4.75
0	4.5
1	4.25
2	4

x	y
-1	1
1	2
3	3
5	4
7	5

x	y
-5	10
-2	5
1	0
4	-5
7	-10

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} \quad m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} \quad m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}}$$

The y-value changes by \_\_\_\_\_

when the x-value changes by \_\_\_\_\_.

The y-value changes by \_\_\_\_\_

when the x-value changes by \_\_\_\_\_.

The y-value changes by \_\_\_\_\_

when the x-value changes by \_\_\_\_\_.

x	y
-5	10
-3	6
-1	2
1	-2
3	-6

x	y
-4	6
-2	6
0	6
2	6
4	6

Number of Balloons	Total Cost of Balloons (in Dollars)
2	6
4	12
6	18
8	24

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} \quad m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} \quad m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}}$$

The y-value changes by \_\_\_\_\_

when the x-value changes by \_\_\_\_\_.

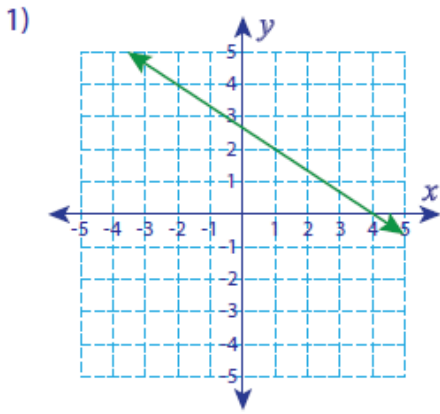
The y-value changes by \_\_\_\_\_

when the x-value changes by \_\_\_\_\_.

The y-value changes by \_\_\_\_\_

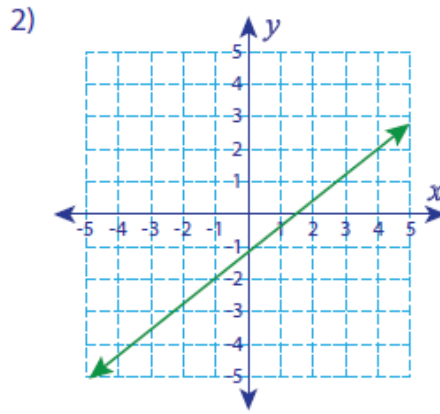
when the x-value changes by \_\_\_\_\_.

**DIRECTIONS: FIND 2 POINTS USING "PERFECT CORNERS" TO FIND THE SLOPE.**



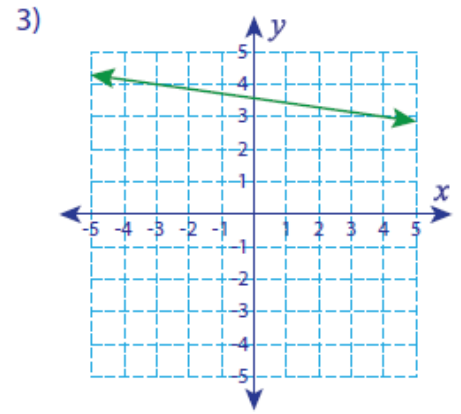
$m =$  \_\_\_\_\_

The y-value changes by \_\_\_\_\_  
when the x-value changes by \_\_\_\_\_.



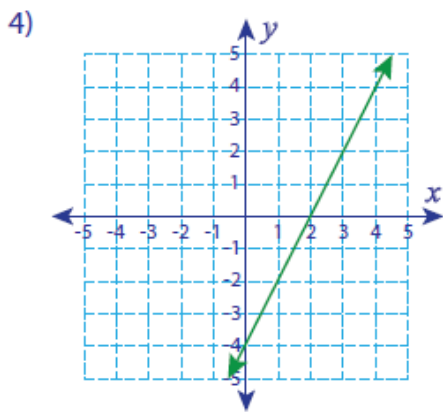
$m =$  \_\_\_\_\_

The y-value changes by \_\_\_\_\_  
when the x-value changes by \_\_\_\_\_.



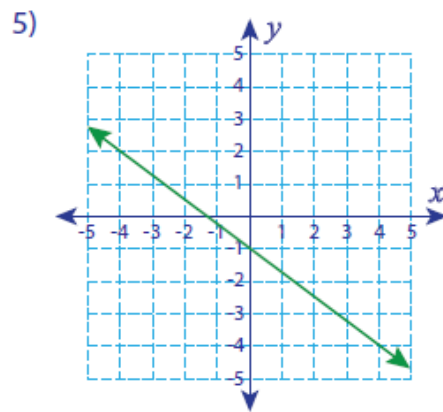
$m =$  \_\_\_\_\_

The y-value changes by \_\_\_\_\_  
when the x-value changes by \_\_\_\_\_.



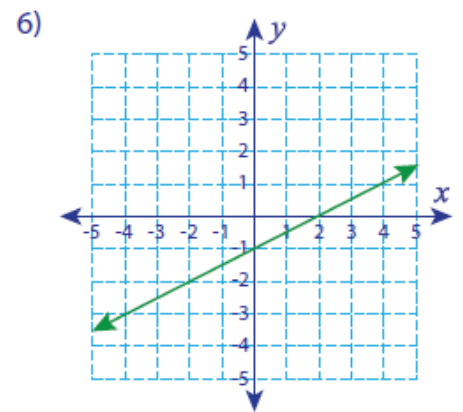
$m =$  \_\_\_\_\_

The y-value changes by \_\_\_\_\_  
when the x-value changes by \_\_\_\_\_.



$m =$  \_\_\_\_\_

The y-value changes by \_\_\_\_\_  
when the x-value changes by \_\_\_\_\_.



$m =$  \_\_\_\_\_

The y-value changes by \_\_\_\_\_  
when the x-value changes by \_\_\_\_\_.