**Math 9 - LG 10 Review Worksheet**

1. Using at least 5 different values for ‘x’, complete the table of values and then graph the points on the grid to form a line.

a) y = 2x - 3

 X Y

b) y = -x + 2

 X Y

**2.** This table of values shows the distance an avid cyclist travels on a day-trip.

|  |  |
| --- | --- |
| **Time, t (hr.)** | **Distance Traveled, d (km)** |
| 2 | 35 |
| 4 | 70 |
| 6 | 105 |
| 8 | 140 |

**a)** Graph the linear relation represented by the table of values. Remember to give your graph a title and to label both axes.



**b)** How far has the cyclist traveled after 9 hours?

**c)** How many hours will it take for the cyclist to travel 95 km?

**3.** Identify the slope and y-intercept for each equation, then graph the lines.

1.  m = \_\_\_\_\_\_\_\_ b)  m = \_\_\_\_\_\_\_\_

b = \_\_\_\_\_\_\_\_\_ b = \_\_\_\_\_\_\_\_\_

**4.** Determine the linear equation that each graph represents.

1. b)

For line a) m =\_\_\_\_\_\_\_\_, b = \_\_\_\_\_\_\_\_ For line b) m =\_\_\_\_\_\_\_\_, b = \_\_\_\_\_\_\_\_

Equation a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Equation b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**5.** Complete the table of values and then graph the points on the grid to form a line.

**a)** x = -2

 X Y

**b)** y = 4

 X Y