Name _____   Date _____
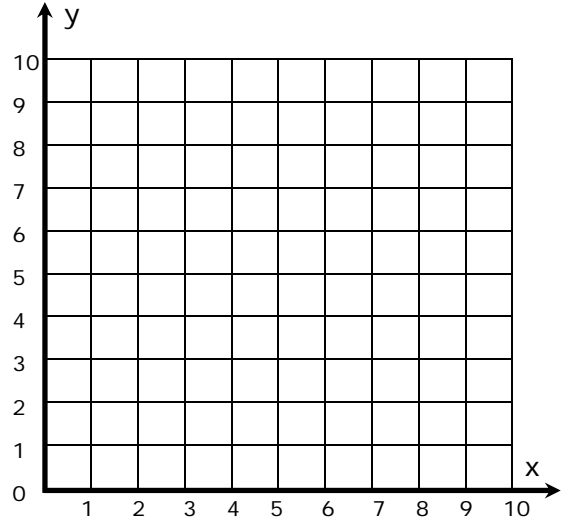
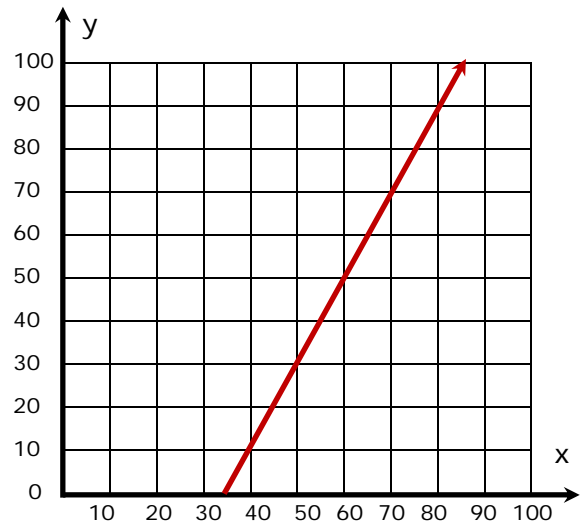## Interpreting Slope and Intercept - Independent Practice Worksheet

Complete all the problems.

1) Make graph using this function:

$y = 2x + 1$

2) Calculate the slope of the graph.

3) We got data from a sugar factory. You have to make a scatter plot of hours and wages.

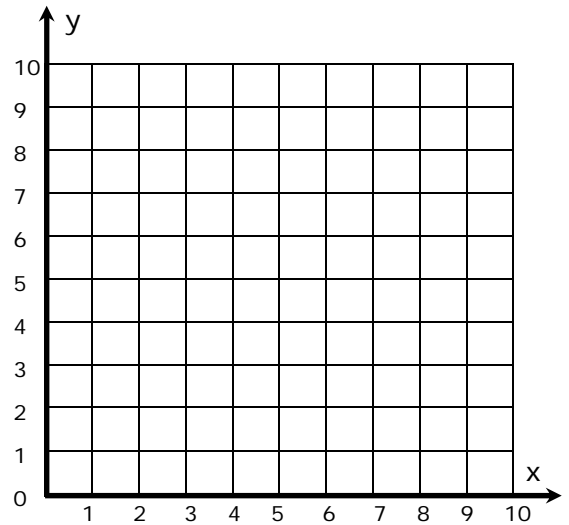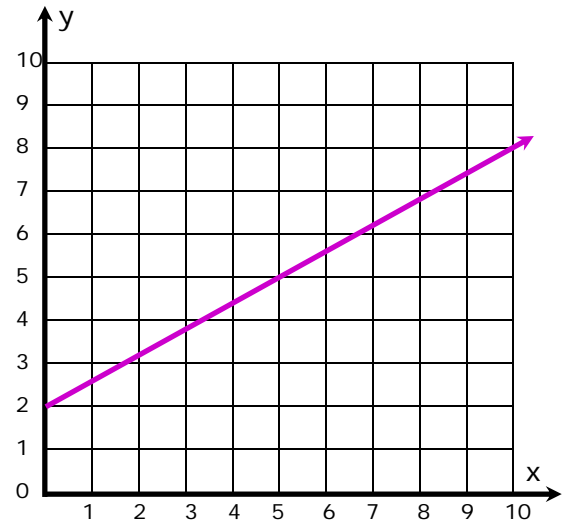| Hour	8	6	10	9	4	12	14	5	2
Wages (In $)	300	200	500	400	100	700	1000	150	50

4) Make graph using this function:

$$y = \frac{1}{3}x$$

5) Calculate the slope of the graph.

6) Mr. Wilson is a florist. He wants to make a scatter plot according to the data of the flowers and bouquets.

Bouquets	3	4	5	6	7	8	9	10	11	12
Flowers	140	110	50	25	200	150	500	10	75	30

7) We are giving the inventory data of a bagel shop. You have to make a scatter plot according to the data of the bagel boxes and bagels.
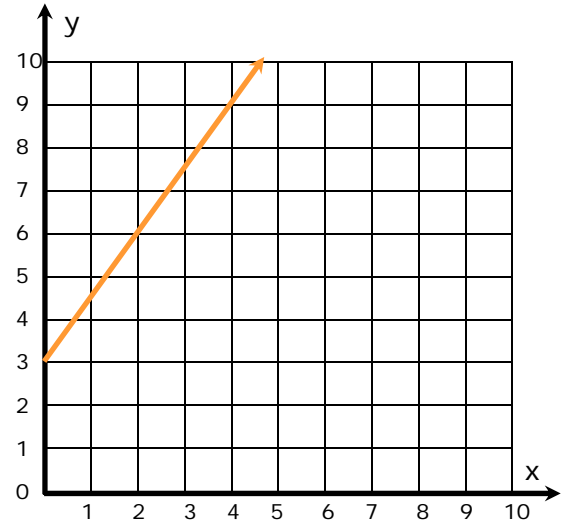
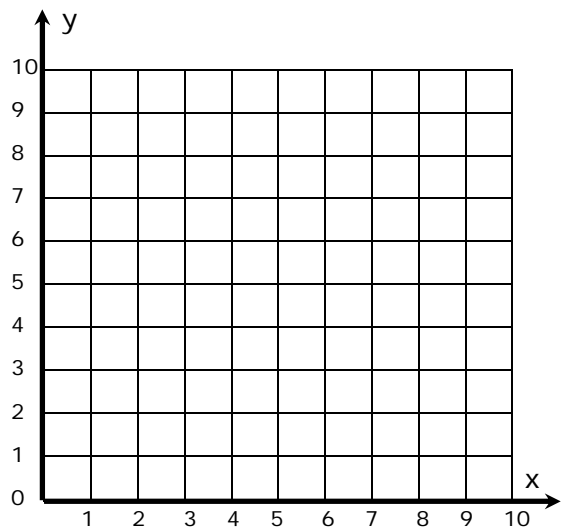| Bagel Box	10	12	13	14	15	16	17	18	19
Bagels	24	36	60	70	40	85	70	80	65

8) Calculate the slope of the graph.

9) Make graph using this function:

   Y = 2x + 4

10) In a bakery, during Christmas week, bakers baked different flavors of cakes and used cherries. Make a scatter plot of cakes and cherries.

Cakes	10	12	1	15	5	8	7	10	11
Cherries	20	6	10	30	20	16	21	30	33