

1)

<i>Input (x)</i>	$2x + 6$	<i>Output (y)</i>
6		
4		
2		?

2)

<i>Input (x)</i>	$3x - 11$	<i>Output (y)</i>
2		
3		?
4		

3)

<i>Input (x)</i>	10	9	8	7	6
<i>Output (y)</i>	-2	-3	-4	-5	?

4) Write an equation to represent the relationship between the independent and dependent quantities.

a) $y = 5 - x$

b) $y = x - 5$

c) $y = \frac{5}{x}$

d) $y = \frac{x}{5}$

<i>Input (x)</i>	9	6	3	0	-3
<i>Output (y)</i>	4	1	-2	-5	-8

5) An adult manatee eats approximately 100 pounds of aquatic food per day. Write an equation to find y , the number of pounds of food an adult manatee can eat in x days

a) $y = 100 + x$

b) $y = 100x$

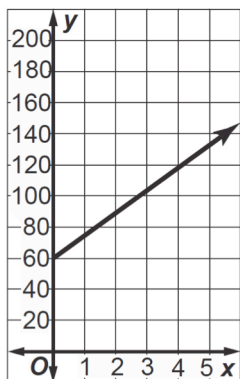
c) $y = \frac{100}{x}$

d) $y = \frac{x}{100}$

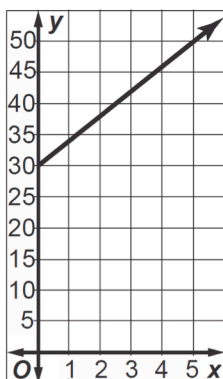
<i>Input (x)</i>	1	2	3	4	5
<i>Output (y)</i>	100	200	300	400	500

Analyze Graphs: choose the letter of the graph that represents each situation

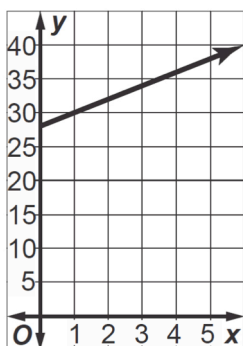
A.



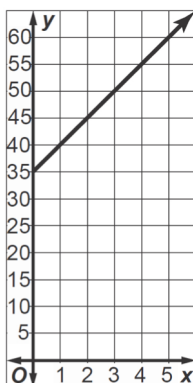
B.



C.



D.



6) _____ A theme park charges \$35 admission plus \$5 to see each show.

7) _____ A plumber charges \$60 for a visit plus \$15 per hour.