

# Lesson 3 Homework Practice

## Functions and Equations

Write an equation to represent each function.

1.

Input, $x$	1	2	3	4	5
Output, $y$	7	14	21	28	35

2.

Input, $x$	0	1	2	3	4
Output, $y$	0	9	18	27	36

3.

Input, $x$	1	2	3	4	5
Output, $y$	13	26	39	52	65

4.

Input, $x$	10	20	30	40	50
Output, $y$	1	2	3	4	5

5.

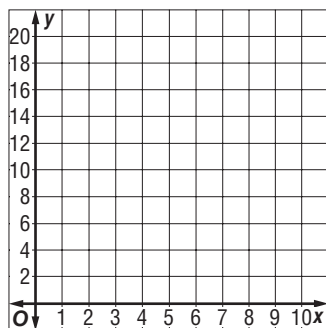
Input, $x$	0	1	2	3	4
Output, $y$	1	6	11	16	21

6.

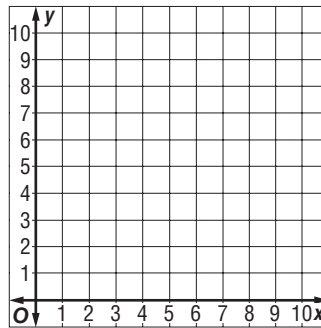
Input, $x$	4	8	12	16	20
Output, $y$	21	37	53	69	85

Graph each equation.

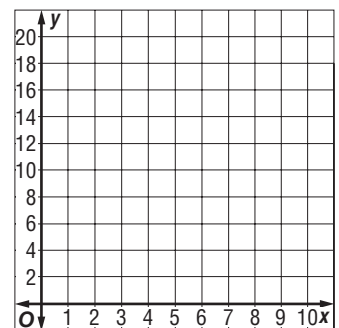
7.  $y = 5x + 1$



8.  $y = x + 2$



9.  $y = 3x + 3$



10. **TELEPHONE** A cell phone company charges \$40 per month plus \$2 for each minute of time used out of the service area. Write the equation that describes the amount  $y$  that a cell phone user would pay if they used the phone for  $x$  minutes out of the service area. Graph the function.

