

**Directions:** Determine if the table represents a linear or quadratic function, and then find the equation for the function table.

1.

$x$	$y$
-2	-8
-1	-5
0	-2
1	1
2	4
3	7

2.

$x$	$y$
-2	5
0	1
2	5
4	17
6	37
8	65

3.

$x$	$y$
18	-30
20	-34
22	-38
24	-42
26	-46
28	-50

4.

$x$	$y$
2	1
3	6
6	33
7	46
9	78
10	97

5.

$x$	$y$
4	12
10	15
14	17
16	18
20	20
22	21

6.

$x$	$y$
-7	49
-5	25
-4	16
-2	4
-1	1
0	0

Determine if the following equations are linear or quadratic.

7.  $8x - 3y = 12$

8.  $y = 2x^2 + 5x + 6$

9.  $y = -\frac{1}{2}x + 14$

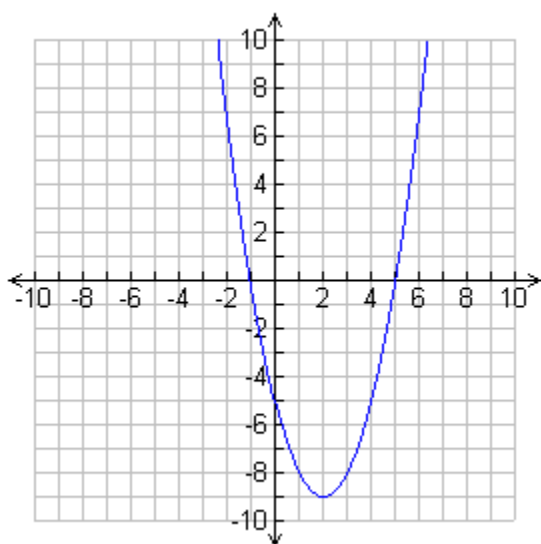
10.  $y = x^2 - 7$

11.  $y = 3x + 7 - 2x^2$

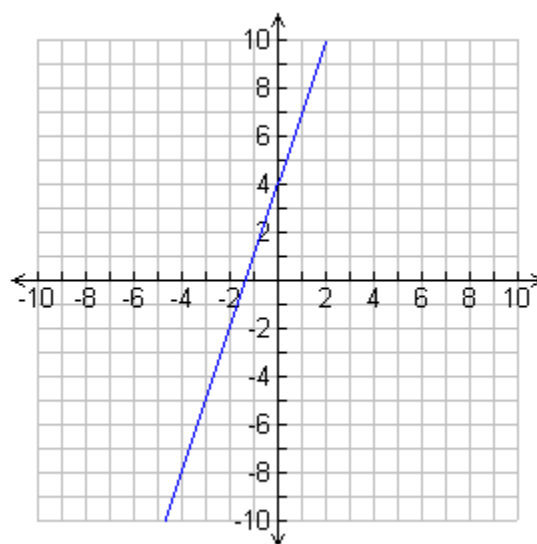
12.  $-6x + 7y = 14$

Determine which of the following graphs are linear or quadratic.

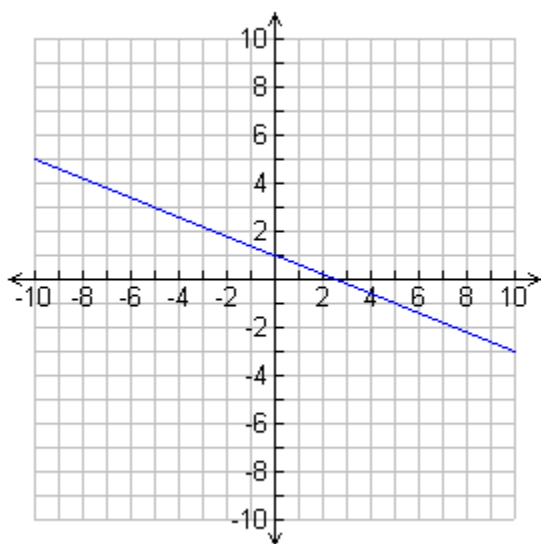
13.



14.



15.



16.

