

Determine if each equation is quadratic or not. Explain your answer.

1.  $y = 2x^2 - 5$

2.  $y = 7$

3.  $y = \frac{-3}{2}x + 4$

4.  $y = (x - 4)^2$

5.  $y = 2x^3 + 5x^2$

6.  $4x^2 + 2y - 5 = 0$

Determine if the table represent a quadratic function or not. Explain your answer.

7.

x	1	2	3	4	5
y	0	3	8	15	24

8.

x	0	1	2	3
y	6	12	20	30

9.

x	-3	-2	-1	0
y	-27	-8	-1	0

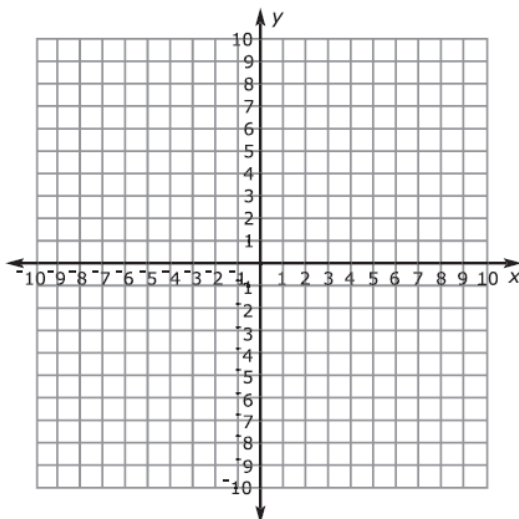
10.

x	1	3	7	9
y	2	5	17	23

Graph each quadratic by using the table of values provided.

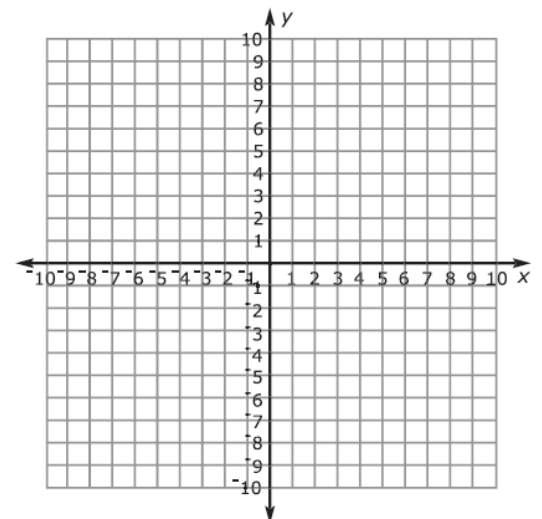
11.  $y = x^2 - 4$

x	y
-2	
-1	
0	
1	
2	



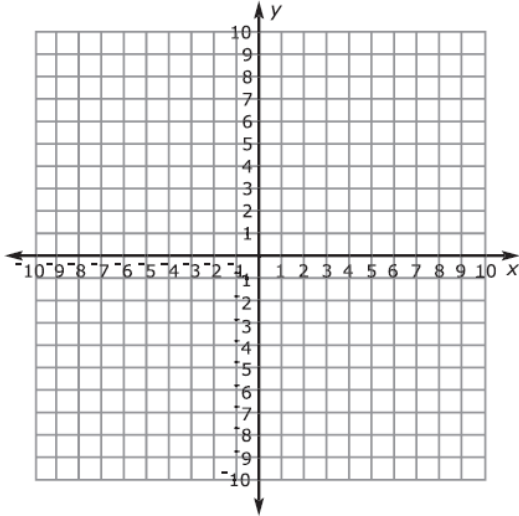
12.  $y = -3x^2 + 9$

x	y
-2	
-1	
0	
1	
2	



13.  $y = x^2 - 2x - 8$

x	y
-1	
0	
1	
2	
3	



14.  $y = \frac{1}{2}x^2$

x	y
-4	
-2	
0	
2	
4	

