

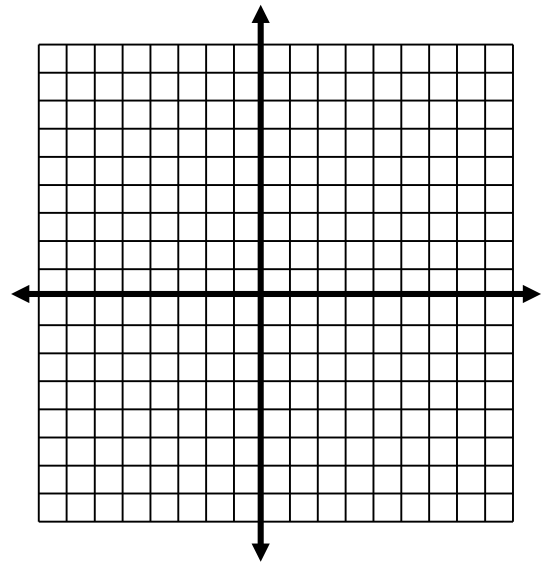
Ch 12 Graphs of Quadratic Functions

Complete the table and graph.

1) $f(x) = x^2$

“Parent Graph”

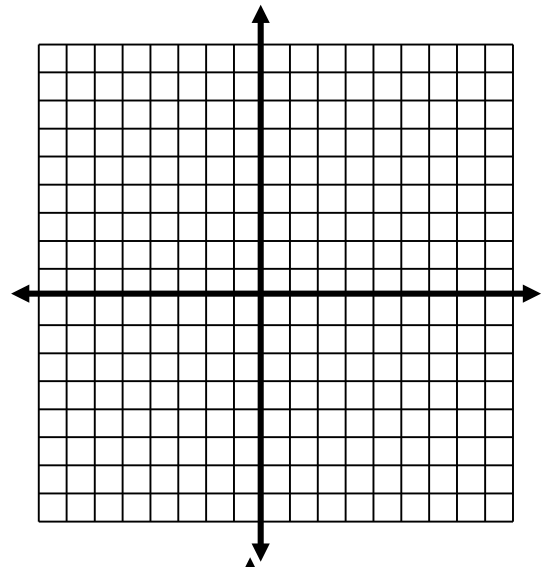
x	$f(x)$
-3	
-2	
-1	
0	
1	
2	
3	



2) $f(x) = -x^2$

Observation:

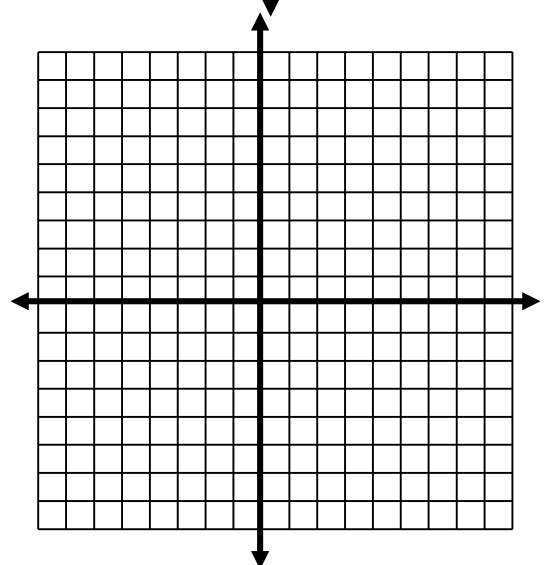
x	$f(x)$
-3	
-2	
-1	
0	
1	
2	
3	



3) $f(x) = 2 \cdot x^2$

Observation:

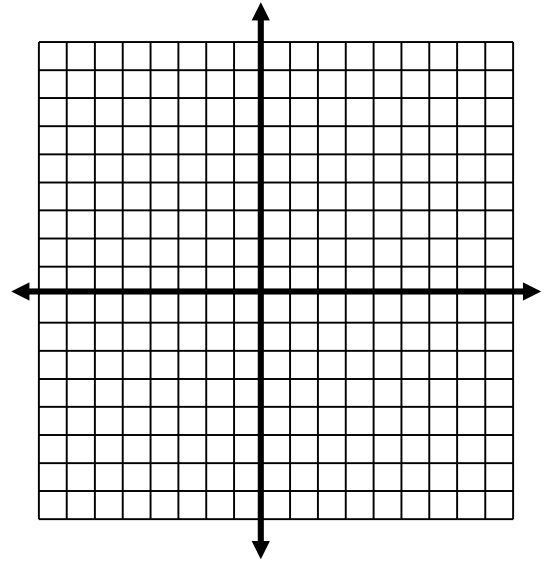
x	$f(x)$
-3	
-2	
-1	
0	
1	
2	
3	



4) $f(x) = x^2 - 3$

Observation:

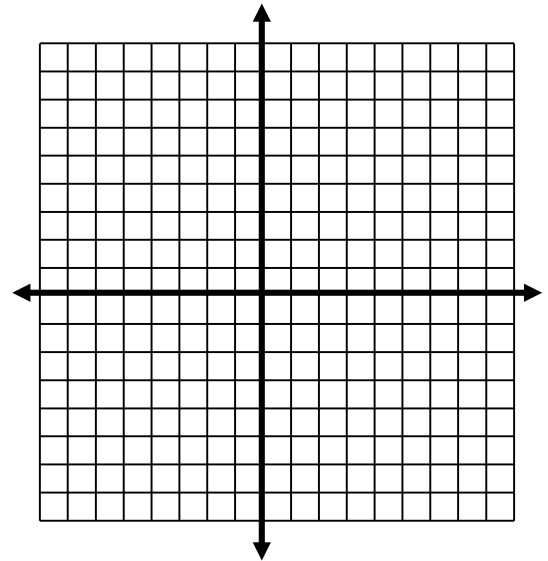
x	$f(x)$
-3	
-2	
-1	
0	
1	
2	
3	



5) $f(x) = (x + 1)^2 - 3$

Observation:

x	$f(x)$
-4	
-3	
-2	
-1	
0	
1	
2	



6) $f(x) = (x + 2)(x - 1)$

Observation:

x	$f(x)$
-3	
-2	
-1	
0	
1	
2	
3	

