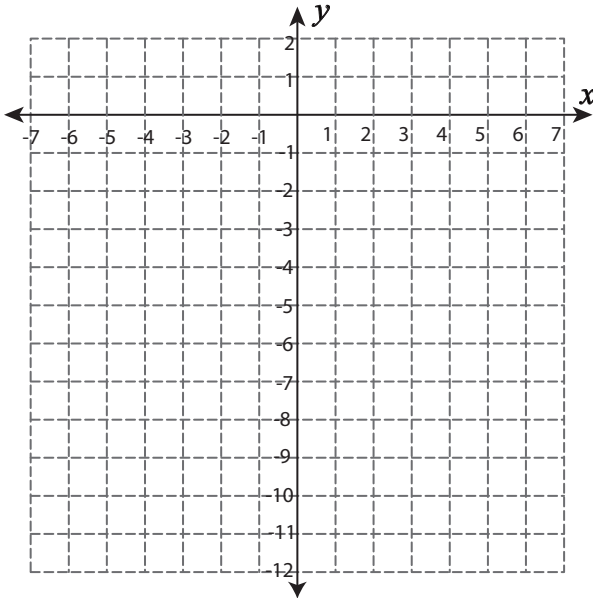


## Graphing Quadratic Function

Compute the function table. Draw the graph of each function.

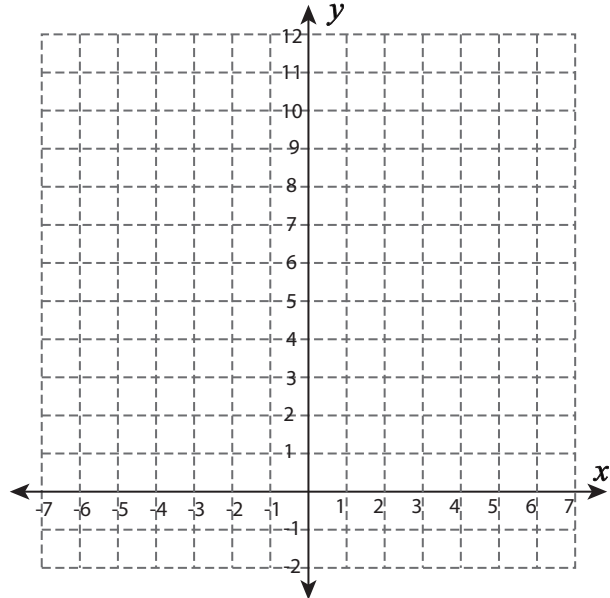
1)  $f(x) = -x^2$

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



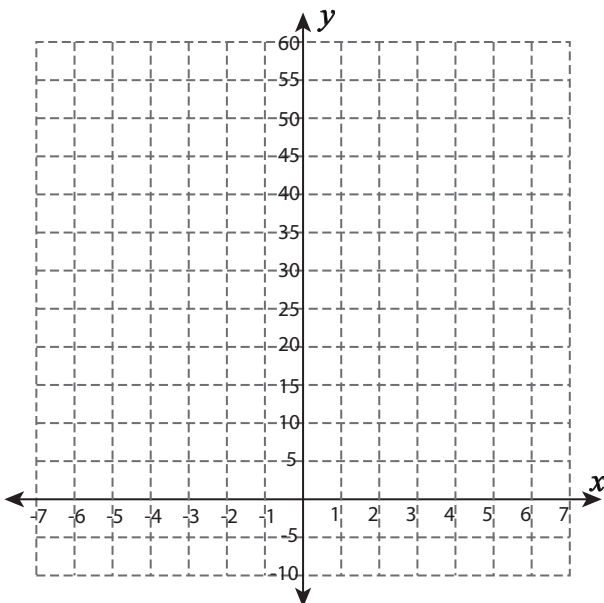
2)  $f(x) = x^2 + 1$

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



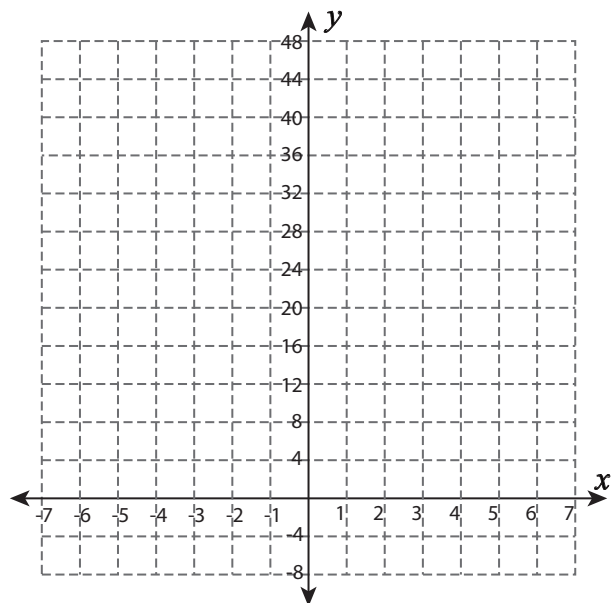
3)  $f(x) = 5x^2 + 5$

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



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

$x$	-7	-5	-3	-1	1	3	5
$f(x)$							

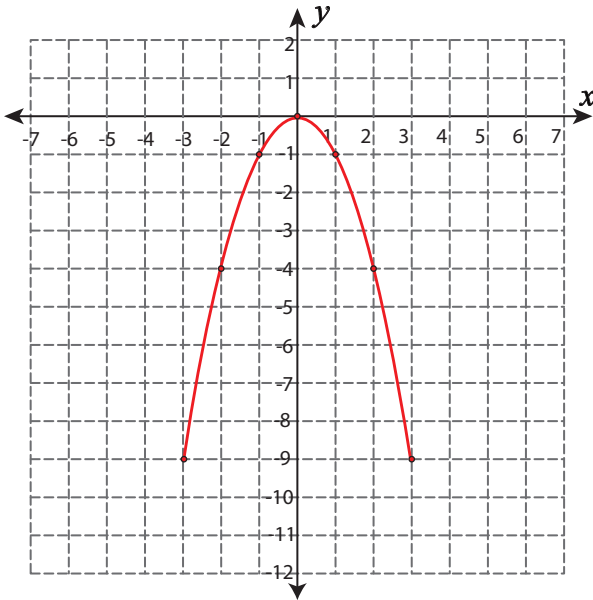


**Answer Key**

Compute the function table. Draw the graph of each function.

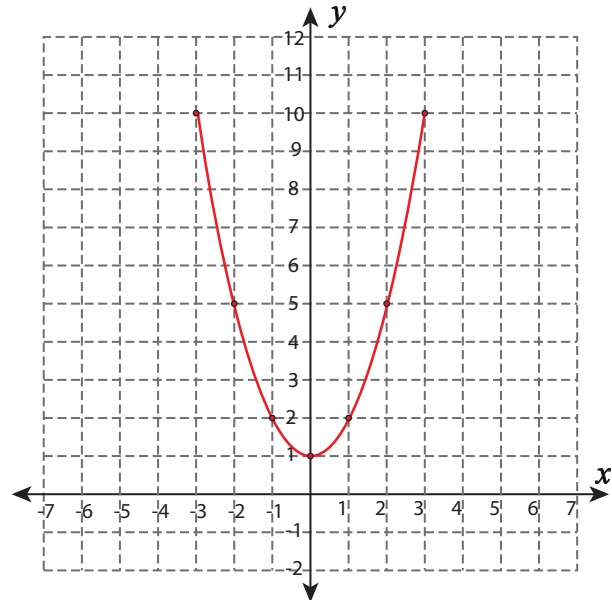
1)  $f(x) = -x^2$

$x$	-3	-2	-1	0	1	2	3
$f(x)$	-9	-4	-1	0	-1	-4	-9



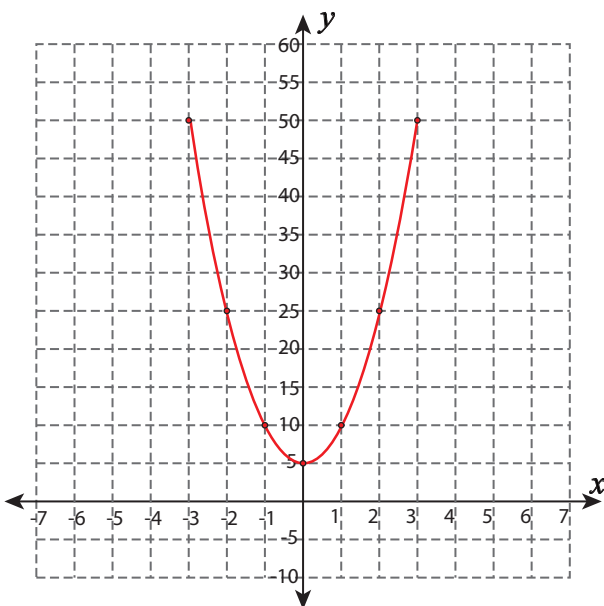
2)  $f(x) = x^2 + 1$

$x$	-3	-2	-1	0	1	2	3
$f(x)$	10	5	2	1	2	5	10



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

$x$	-3	-2	-1	0	1	2	3
$f(x)$	50	25	10	5	10	25	50



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

$x$	-7	-5	-3	-1	1	3	5
$f(x)$	36	16	4	0	4	16	36

