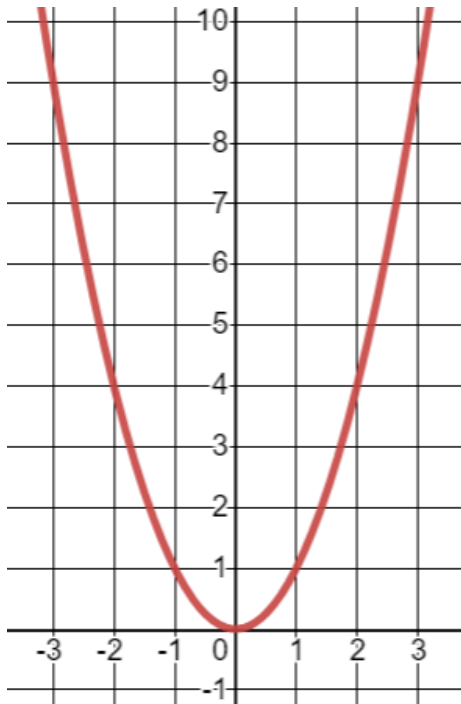


## Plotting Quadratic Graphs

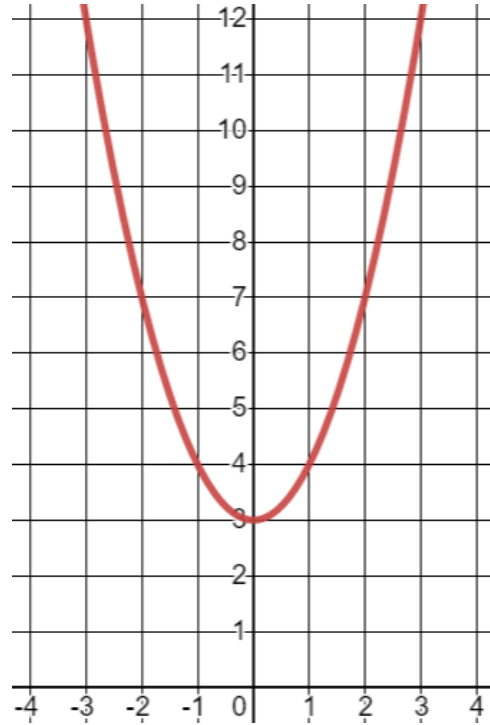
**(a)  $y = x^2$**

$x$	-3	-2	-1	0	1	2	3
$y$	9	4	1	0	1	4	9



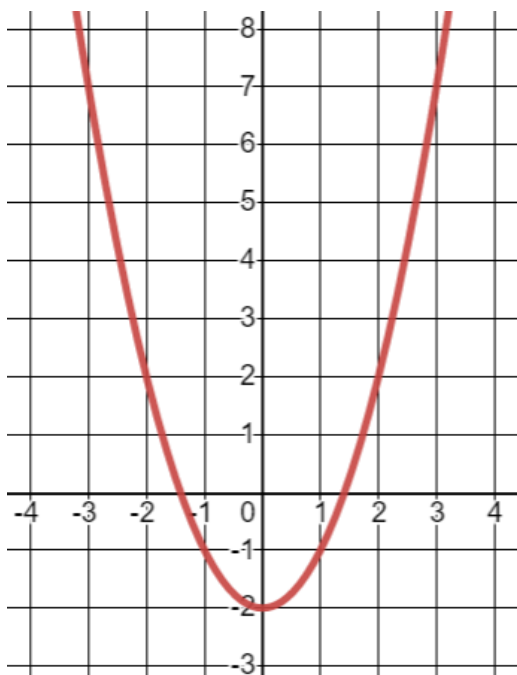
**(b)  $y = x^2 + 3$**

$x$	-3	-2	-1	0	1	2	3
$y$	12	7	4	3	4	7	12



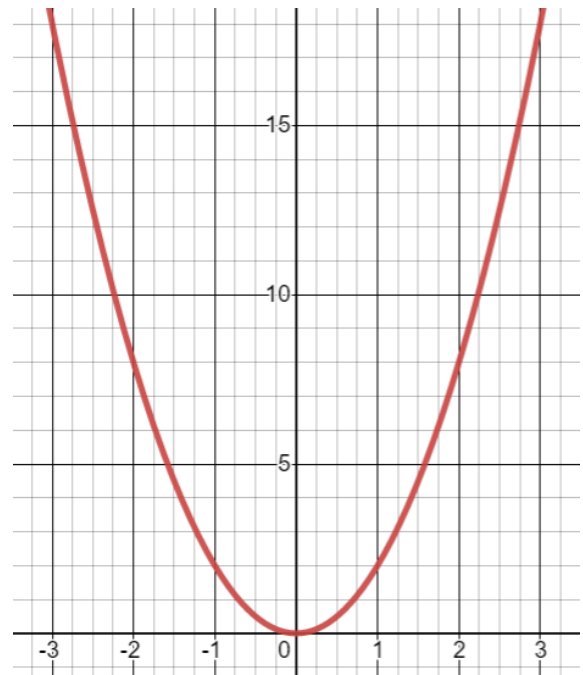
**(c)  $y = x^2 - 2$**

$x$	-3	-2	-1	0	1	2	3
$y$	7	2	-1	-2	-1	2	7



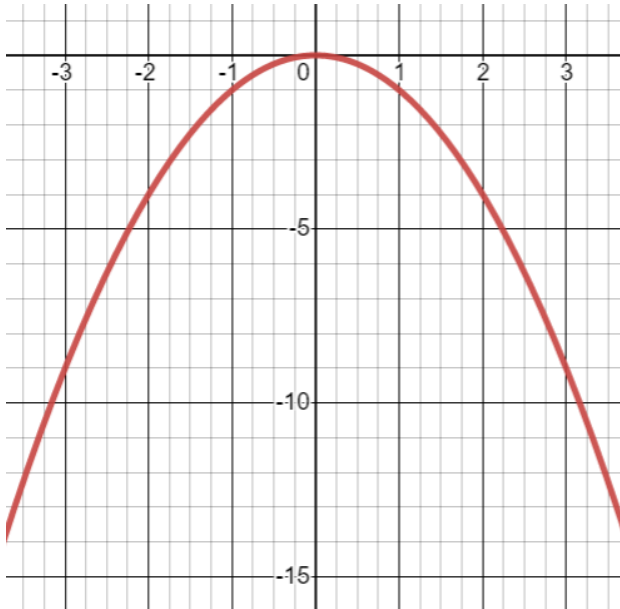
**(d)  $y = 2x^2$**

$x$	-3	-2	-1	0	1	2	3
$y$	18	8	2	0	2	8	18



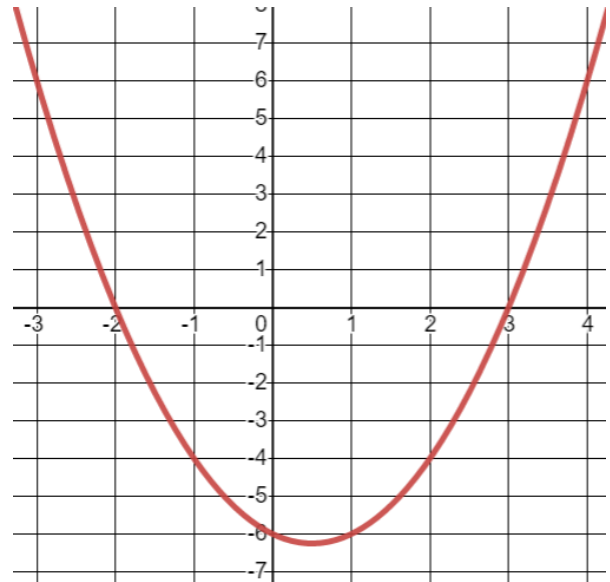
**(e)**  $y = -x^2$

$x$	-3	-2	-1	0	1	2	3
$y$	-9	-4	-1	0	-1	-4	-9



**(f)**  $y = x^2 - x - 6$

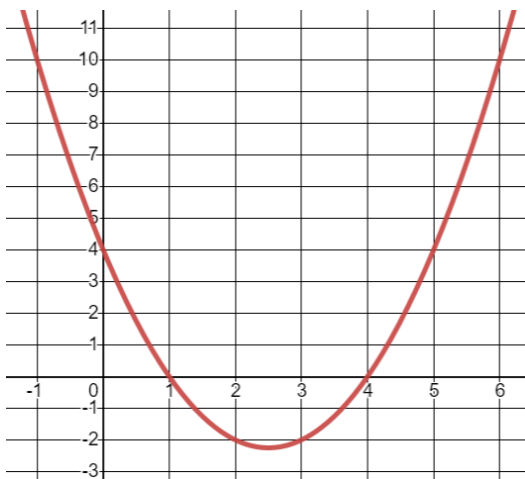
$x$	-3	-2	-1	0	1	2	3	4
$y$	6	0	-4	-6	-6	-4	0	6



**(g)**

Plot the graph of  $y = x^2 - 5x + 4$  for  $-1 \leq x \leq 6$

$x$	-1	0	1	2	3	4	5	6
$y$	10	4	0	-2	-2	0	4	10



**(h)**

Plot the graph of  $y = 12 + x - x^2$  for  $-3 \leq x \leq 4$

$x$	-3	-2	-1	0	1	2	3	4
$y$	0	6	10	12	12	10	6	0

