

Graphing Summary

$$f(x) = x^2 - 6x + 5$$

Graphing using a Table | Method 1

x	$f(x) = x^2 - 6x + 5$	f(x)	(x, f(x))
0			
1		0	
2			
3	$f(3) = 3^2 - 6(3) + 5$	-4	(3, -4)
4			
5		0	
6			

$$x = \frac{-b}{2a}$$

axis of symmetry

Method 2: Graphing using axis of symmetry

(3, -4) {

- $x = \frac{-b}{2a} = 3$
 $f(3) = 3^2 - 6(3) + 5 = -4$
- y-intercept
 $y = 5$

