

Fill in the Blanks

Maximum and Minimum Points

Equation of Curve	$\frac{dy}{dx}$	$\frac{dy}{dx} = 0$	x-coordinate	y-coordinate	Maximum or Minimum Point
$y = x^2 - 10x + 2$				$y = -23$	<i>Minimum</i>
$y = 3x^2 + 12x + 20$					
$y = 15 - 2x - x^2$					
$y = 3 + 8x - 2x^2$					
$y = x^2 + 12x + \square$				$y = -6$	<i>Minimum</i>
$y = x^2 - 9x + \square$				$y = -\frac{21}{4}$	
$y = x^2 - \square x + 15$			$x = 4$		
$y = \square + \square x - x^2$			$x = 2$	$y = 10$	