



How to Graph on a Graphing Calculator								
1. Press the y = key and type in your equation. > Make sure to consider of operation use if you need to.								
2. Set the window by pressing window by which window by the								
> Enter X - min and X - max then 3 - min and 4 - max. 3. Press Qraph.								
4. Extra Features: 4able & tace.								

Examples

+‡+								
	Equation	Vertex	Max. or Min.	Axis of Symmetry	χ - intercepts			
	$\mathbf{y} = \mathbf{x}^2$	(0,0)	min	X= ()	X=O			
	$y = x^2 - 2x$	(1,-1,)	Min	x= 1	X=1,2			
	$y = x^2 - 4x$	(2;-4)	$\omega_i \omega$	X= 5	x=0.4			
	$y = x^2 - 5x$	C2:5-7	min	X = 3.8	X=0,5			
13.								

1. How are the graphs similar? They all were minimum 5

2. How are the graphs different? had a different Vertex

3. Without graphing, describe the graph of y = x² - 50x.

H would have a minimum open 5 VP

Equation	χ – intercepts	Vertex	Axis of Symmetry	y - intercept
$y = x^2 - 10 x + 21$				
$\mathbf{y} = \mathbf{x}^2 - 8\mathbf{x} + 7$				
$\mathbf{x} = \mathbf{x}^2 - 4$				

a. How does the x-coordinate of the vertex relate to the x- intercepts?

b. How do you easily find the y-intercept of a graph from its equation?

Assignment: 9-3 #'s 3, 7-11, 17-19

#3 a)
$$y = -\frac{1}{3}x^{2}$$

 $y = -1x^{2}$
 $y = -2x^{2}$
 $y = -3x^{2}$

b) as a gets smaller, the graph gets narrower.

#7) +02 x <10 8 -10 < 4 <10