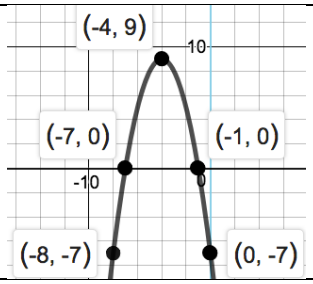
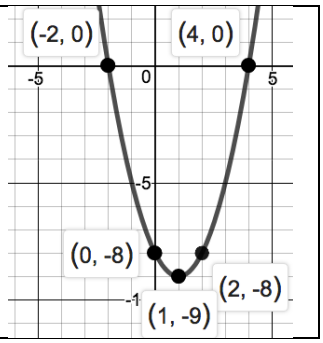
Using Points to Graph a Quadratic Answer Key

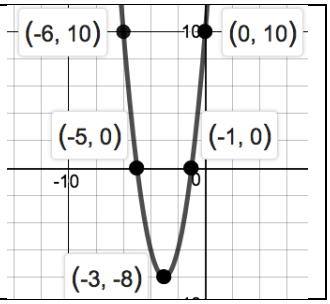
1.

What is the y-intercept?	What is the x-value of the vertex?	What is/are the x-values of the x-intercept(s)?	
$(0, -7)$	$x = \underline{-4}$	$x = \underline{-7}$ & $x = \underline{-1}$	
$c = \underline{-7}$	$\underset{sign}{opp}\ of\ b = \underline{+8}$ $2(a) = 2(-1) = \underline{-2}$		

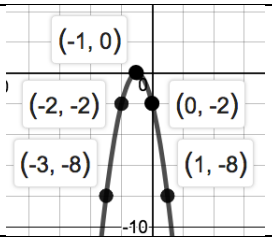
2.

What is the y-intercept?	What is the x-value of the vertex?	What is/are the x-values of the x-intercept(s)?	
$(0, -8)$	$x = \underline{1}$	$x = \underline{-2}$ & $x = \underline{4}$	
	$\underset{sign}{opp}\ of\ h = \underline{+1}$		

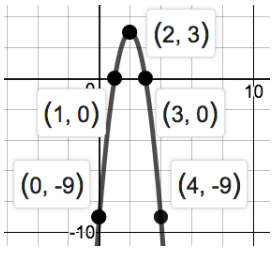
3.

What is the y-intercept?	What is the x-value of the vertex?	What is/are the x-values of the x-intercept(s)?	
$(0, 10)$	$x = \underline{-3}$	$x = \underline{-5}$ & $x = \underline{-1}$	
		$\underset{sign}{opp}\ of\ r_1 = \underline{-5}$ $\underset{sign}{opp}\ of\ r_2 = \underline{-1}$	

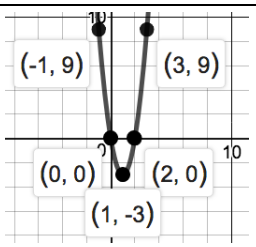
4.

What is the y-intercept?	What is the x-value of the vertex?	What is/are the x-values of the x-intercept(s)?	
$(0, -2)$	$x = \underline{-1}$	$x = \underline{-1}$ ~~& $x =$~~	
	$\underset{sign}{opp}\ of\ h = \underline{-1}$		

5.

What is the y-intercept?	What is the x-value of the vertex?	What is/are the x-values of the x-intercept(s)?	
$(0, -9)$	$x = \underline{2}$	$x = \underline{1}$ & $x = \underline{3}$	
		$\underset{sign}{opp}\ of\ r_1 = \underline{+1}$ $\underset{sign}{opp}\ of\ r_2 = \underline{+3}$	

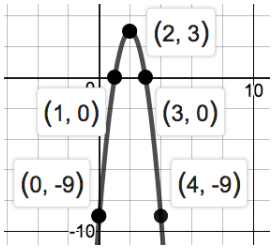
6.

What is the y-intercept?	What is the x-value of the vertex?	What is/are the x-values of the x-intercept(s)?	
$(0, 0)$	$x = \underline{1}$	$x = \underline{0}$ & $x = \underline{2}$	
$c = \underline{+0}$	$\underset{sign}{opp}\ of\ b = \underline{+6}$ $2(a) = 2(3) = \underline{6}$		

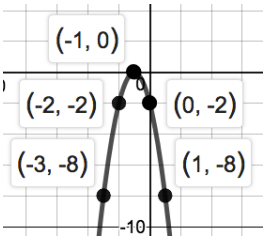
Using the Middle x to Graph a Quadratic Answer Key

1. The middle x is $\boxed{x = 2}$	3. The middle x is $\boxed{x = 1}$	5. The middle x is $\boxed{x = -4}$
2. The middle x is $\boxed{x = -1}$	4. The middle x is $\boxed{x = -3}$	6. The middle x is $\boxed{x = 1}$

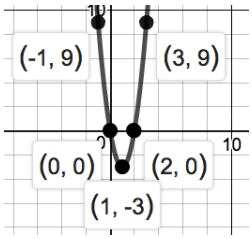
1b.



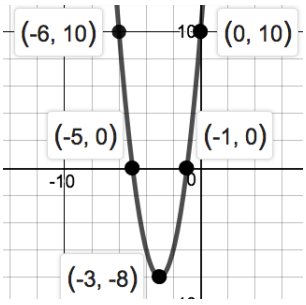
2b.



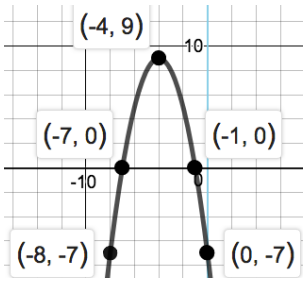
3b.



4b.



5b.



6b.