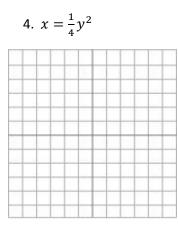
Conic Sections CS3: Parabolas 2

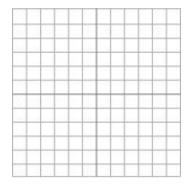
For the given parabola, find the proper values:

	1. $y = -(x - 5)^2$	2. $x = 4(y+3)^2 - 8$	3. $y = x^2 + 6$
direction of opening:			
	h = k =	h = k =	h = k =
	a =	a =	a =
The vertex:			
The focus:			
The directrix:			<u> </u>
The axis of symmetry			

Graph each parabola:



5.	y	$=\frac{1}{2}(x)$	$(-4)^2$	+ 3
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6. $2(x-1) = (y+2)^2$

0.0						
	 			_		
(B) = 0					0	
	 		_	_		
22 3		8 - S				121

Write an equation for each parabola described below:

- 7. vertex = (3, 0) and focus = (7, 0)
- 8. vertex = (4, 4) and focus = (4, 0)
- 9. focus = (-2, 4) and directrix is x = 2