

Part 1

What type of graph is that?

- ☐ Ellipses
- ☐ Parabolas
- ☐ Circle
- ☐ Hyperbolas

$x = h$

$(h, k + \frac{1}{4a})$

$x = h - \frac{1}{4a}$

$y = k - \frac{1}{4a}$

$|\frac{1}{a}| \text{ units}$

$|\frac{1}{a}| \text{ units}$

Upward / Downward

Right / Left

$x = a(y - k)^2 + h$

$y = a(x - h)^2 + k$

	Horizontal	Vertical
Form of Equation		
Direction of Opening		
Vertex	(h, k)	(h, k)
Axis of Symmetry		$y = k$
Focus	$(h + \frac{1}{4a}, k)$	
Directrix		
Length of Latus Rectum		