

## 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		