

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		 LIVEWORKSHEETS