Warm-up

February 7, 2017

Go to

https://www.desmos.com/calculator/8keeh1pt5l

What does a represent? How does it affect the graph?

What do h and k represent? How do they affect the graph?

Let's graph #9 together.

Opens
$$\frac{1}{4}$$

Vertex $\frac{3}{3}$
 $\frac{1}{4}$
 $\frac{1}{4}$

Focus $\frac{1}{4}$

Directrix $\frac{1}{4}$
 $\frac{1}{4}$

You try #14.

$$X = 3^{2} - 6x + 8$$
 Kor. Fight

Opens Fight

Vertex (-1, 3)

 $p = \frac{1}{4} = \frac{1}{4}(x) - \frac{1}{4}$

Focus (h+p) (-1+\frac{1}{4})

 $x = 3^{2} - 6x + 8$
 $x = 3^{2$

$$\frac{(x-2)}{9-12} + \frac{(y-3)^2}{16-2} = 1$$
Major Axis Vertical
Center (2,3)

Vertices (h,k+a)

Co-vertices

Foci

