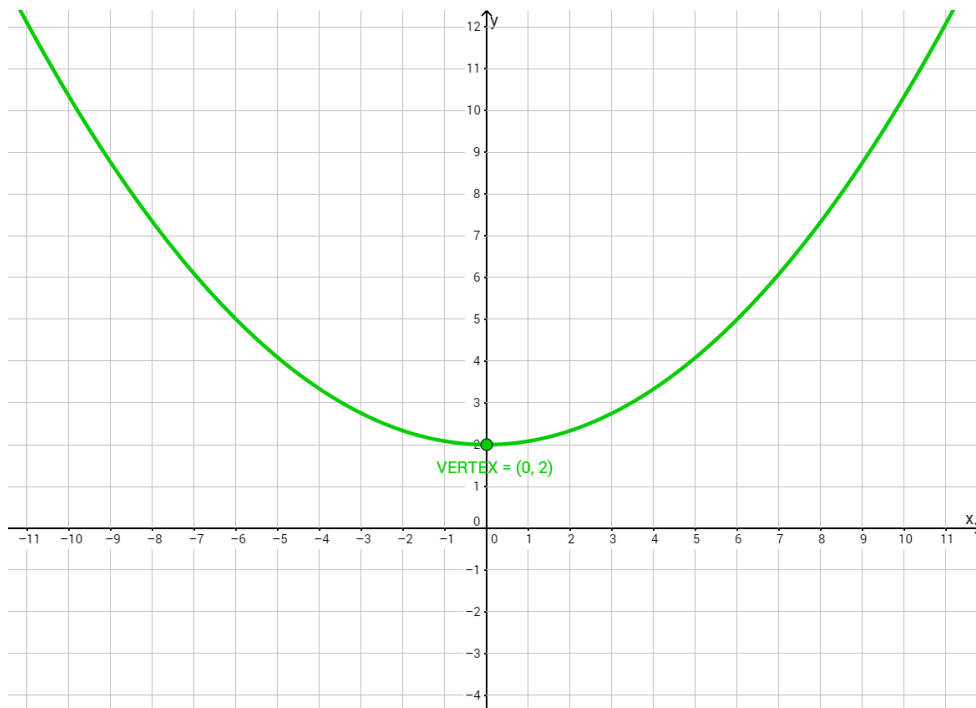


1. The p -value of the parabola graphed below is 3. The vertex is at $(0, 2)$. Add and label both the focus and directrix of this parabola to the graph below. How do you know that you have placed your focus and directrix in the right place?
2. Predict the equation for the parabola below. Explain your prediction.
3. a. Use your methods from previous episodes to derive the equation of the parabola below.

b. Compare your methods to Keoni and Sasha's methods. What do you notice?



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