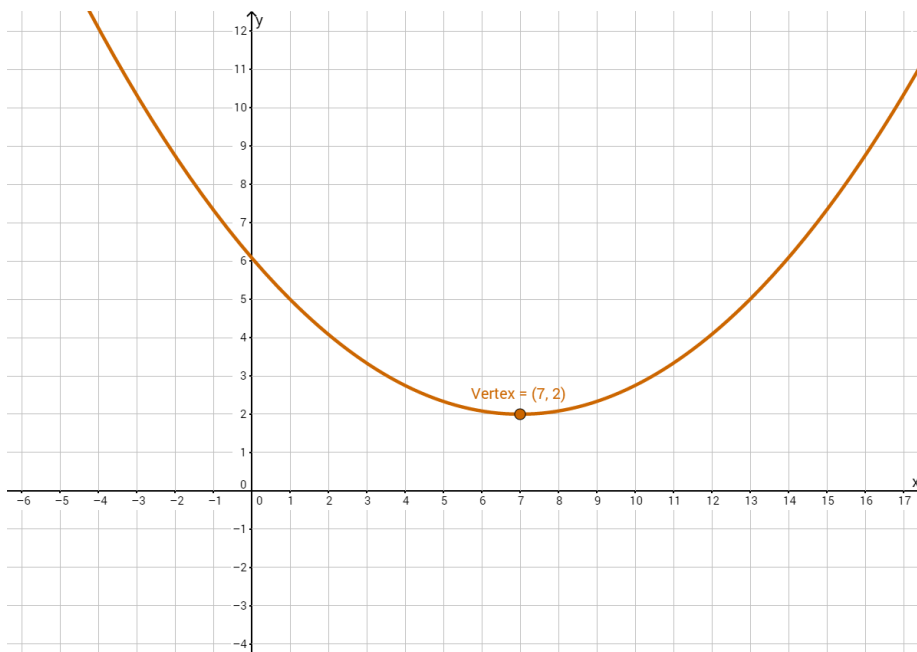


1. The p -value of the parabola graphed below is 3. The vertex of this parabola is at $(7, 2)$. Looking at your previous work, what is your prediction for the equation of this parabola?
2. Add and label both the focus and directrix of this parabola to the graph below. Compare your work to the work of Sasha and Keoni.
3. Use the methods you have for deriving the equation of a general parabola to derive the equation of the parabola below.
4. a. Compare your result with your prediction. What do you notice?
b. Compare your methods to Keoni and Sasha's methods. What do you notice?



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