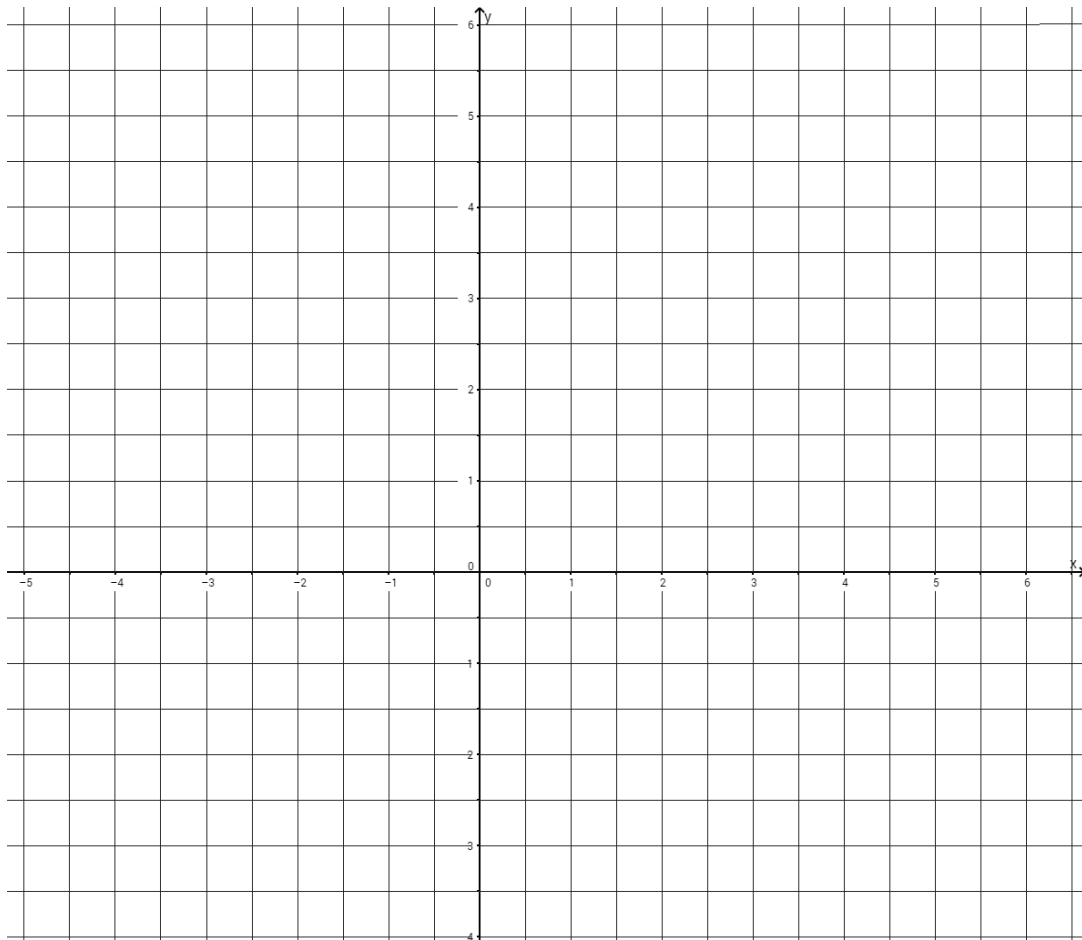


$$\text{General equation for a parabola with a vertex at the origin: } y = \frac{x^2}{4p}$$

1. Consider the parabola with a p value of 1. Add and label the focus and the directrix for this parabola.
2. Use the equation and geometric methods to find and label several other points that are on the parabola with a p value of 1. Sketch in the parabola.



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