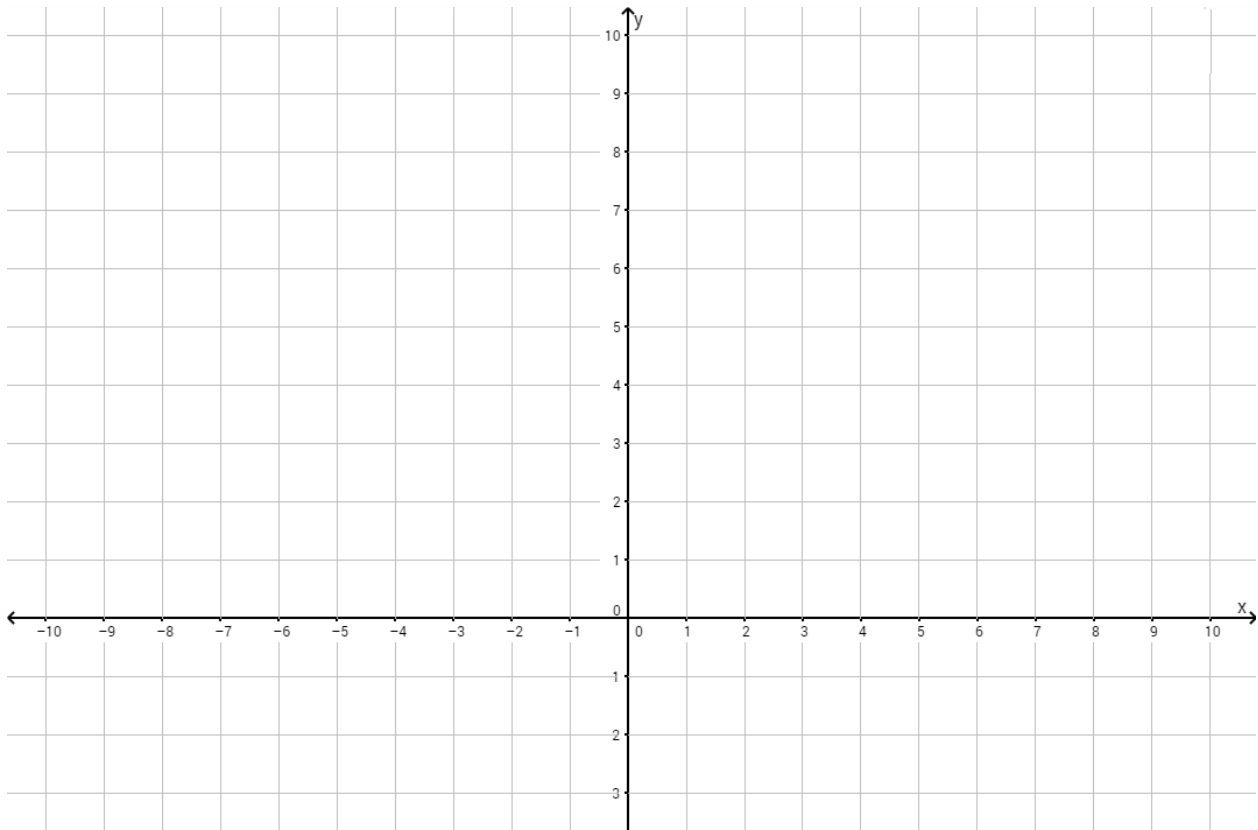1. Sasha and Keoni determined the equation $y = \dfrac{x^2}{4p}$ for a parabola with a vertex at the origin and a

    distance of p units between the vertex and the focus. Consider a parabola that goes through the origin with a focus that is .5 units above the origin. Write down everything wou know about that parabola.

2. What would the equation of this parabola be? Use the equation to generate points on this parabola. On the grid below, add and label the points you find. Label the focus and directrix of this parabola.

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