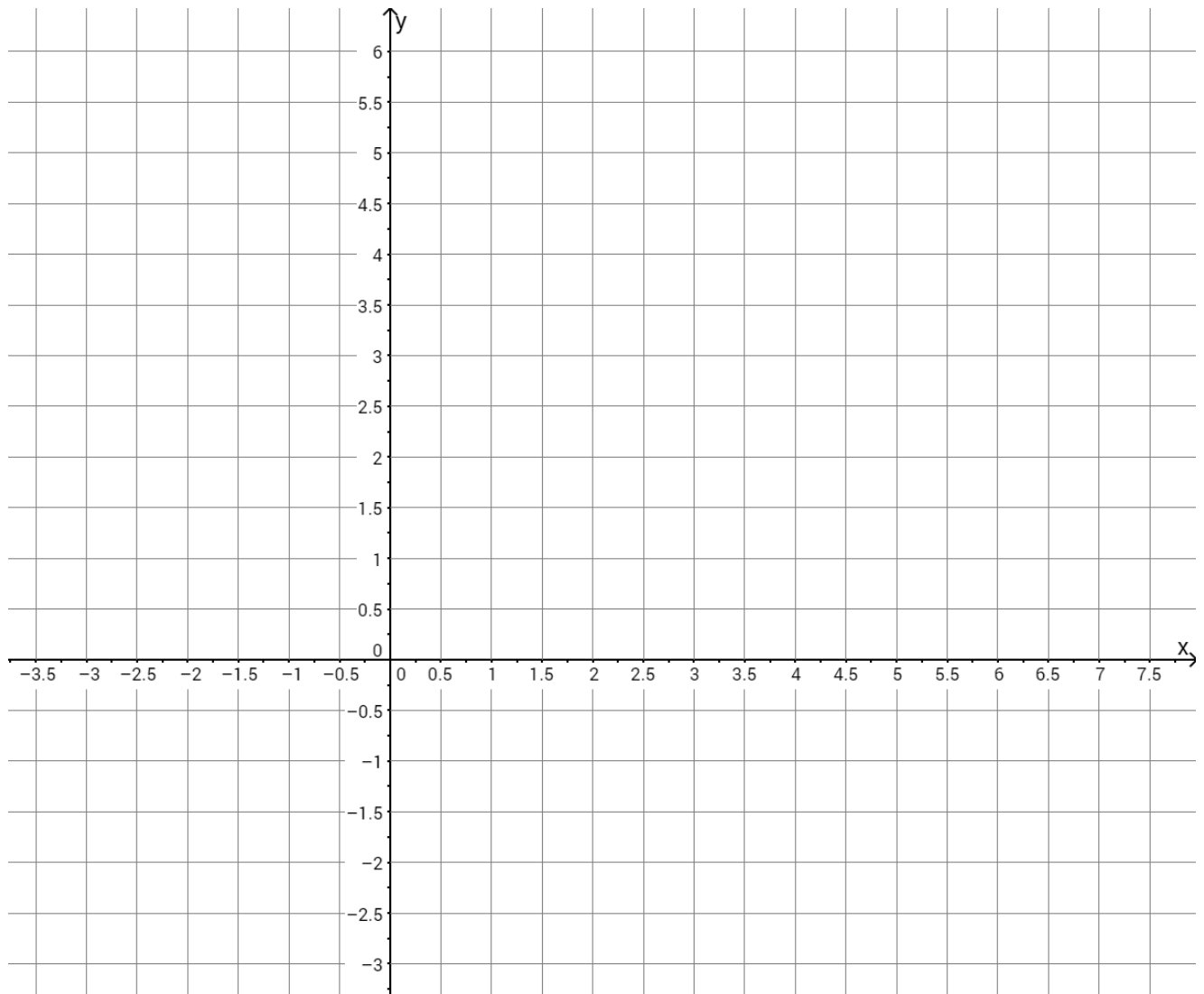


$$y = 2(x - 3)^2 + 1$$

1. Find the vertex and the p -value for the parabola associated with the equation above. Explain how you found that geometric information.

2. Graph the parabola. Include the focus and directrix on your graph. Label the coordinates of the points that you plot.



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