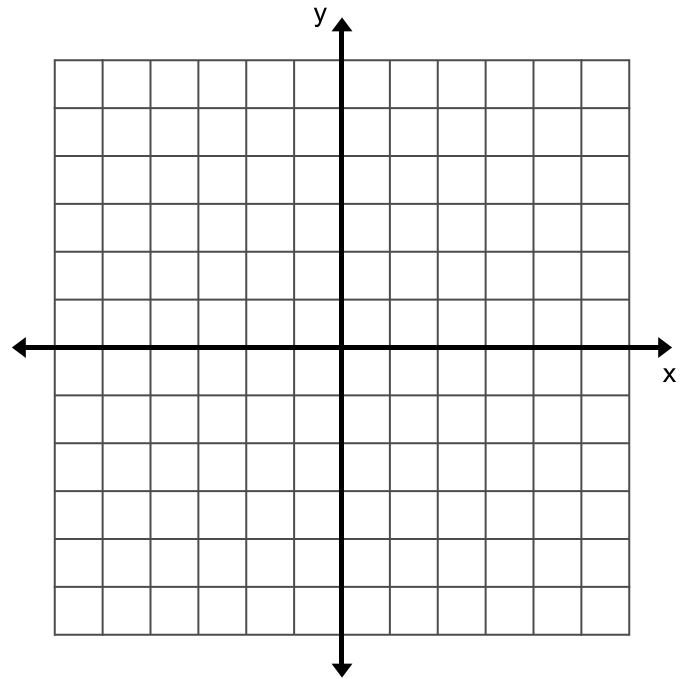
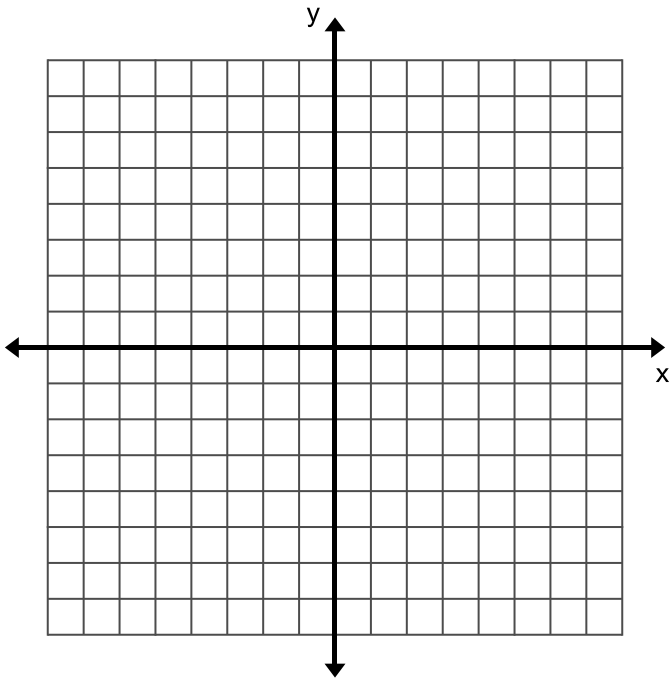


Graph the equation and identify the focus and directrix of the parabola.

1.) $(x+2)^2 = 8(y-1)$

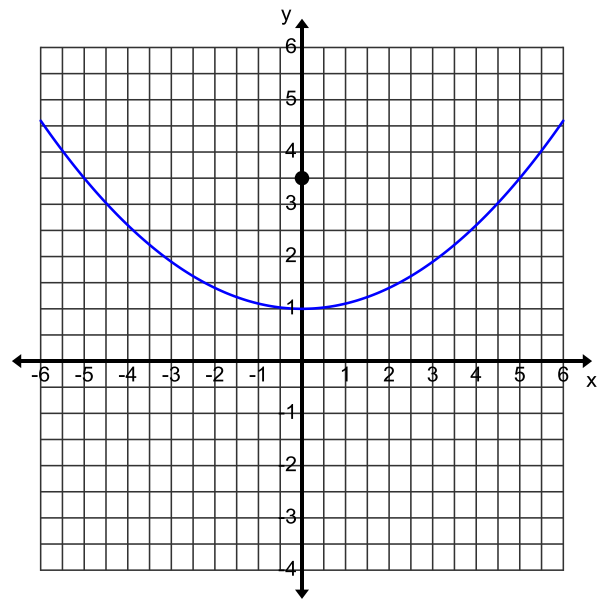
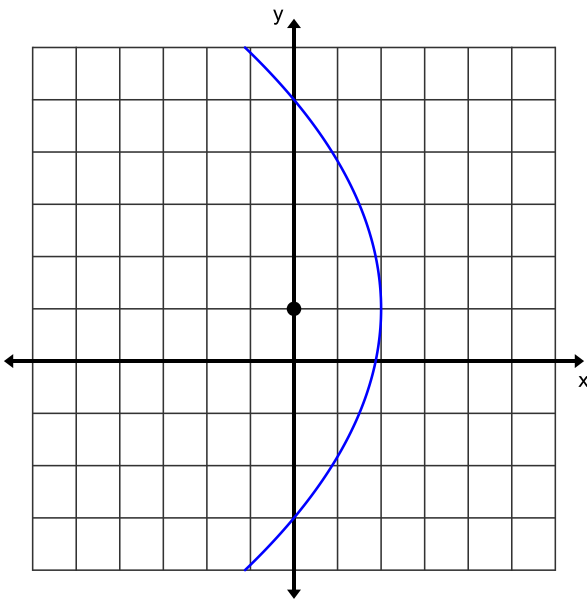
2.) $(y-3)^2 = -4(x+2)$



Given the following graph, find the standard equation of the parabola.

3.)

4.)



Using the given information, write the standard equation of the parabola.

Hint: Make a sketch to help you write the equation.

5.) vertex: $(-3, 0)$

directrix: $x = -8$

6.) vertex: $(1, -2)$

focus: $(1, 1)$