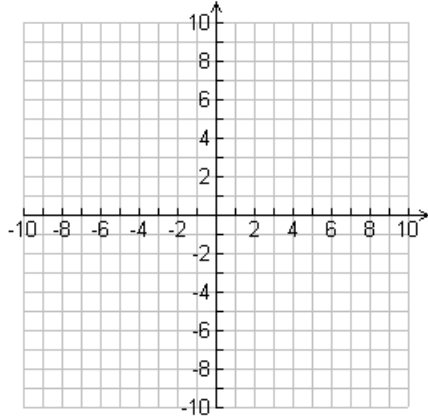
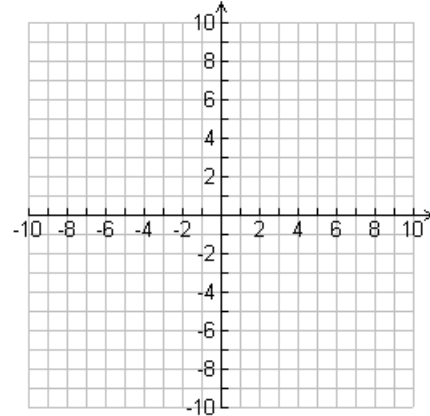


For each parabola, indicate the vertex and the direction it opens. Then graph the parabola.

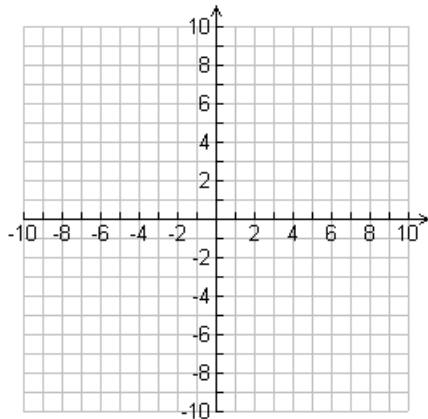
1) $y + 3 = -2(x + 1)^2$



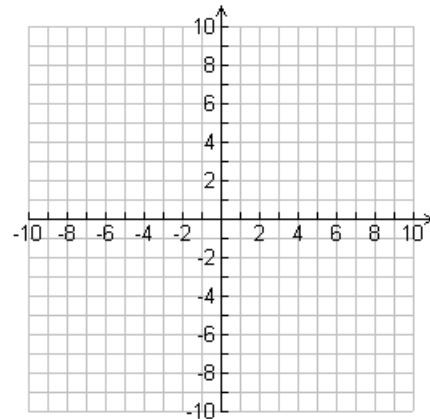
2) $x - 5 = \frac{-1}{3}(y + 4)^2$



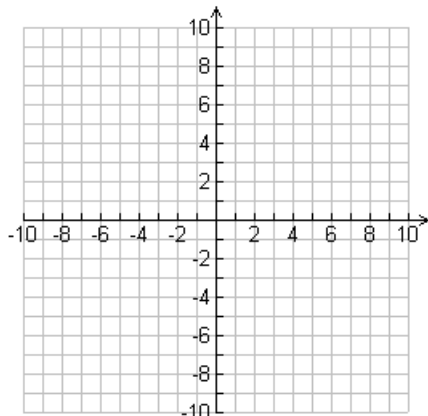
3) $4x + 8 = (y + 1)^2$



4) $(x - 8)^2 = \frac{1}{2}y$



5) $4 - 2y = x^2$



6) $8(y - 3)^2 = -4x - 16$

