

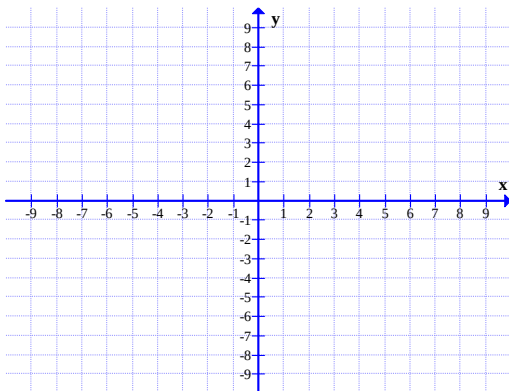
The Standard Form of a Quadratic Function

general form:

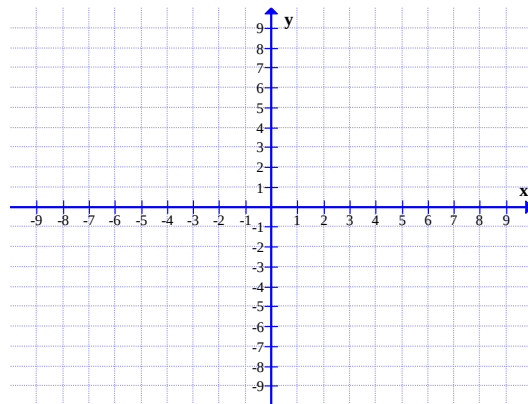
standard form:

Graph $y = ax^2$

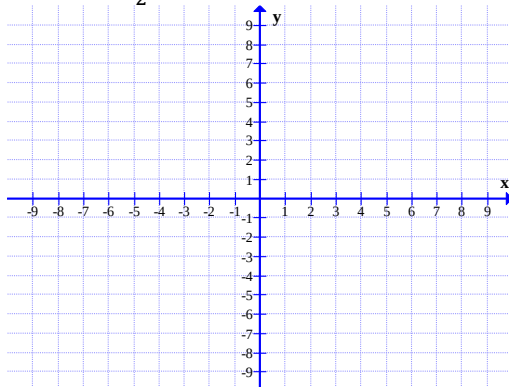
1) $y = 2x^2$



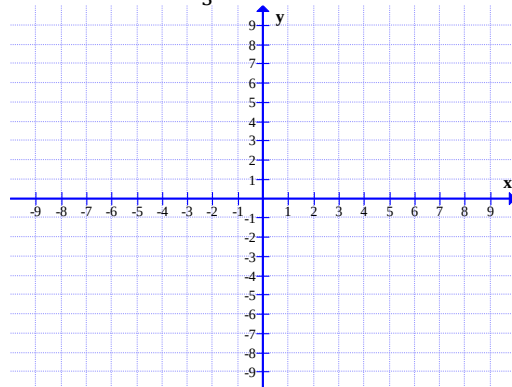
$y = -3x^2$



2) $y = \frac{1}{2}x^2$

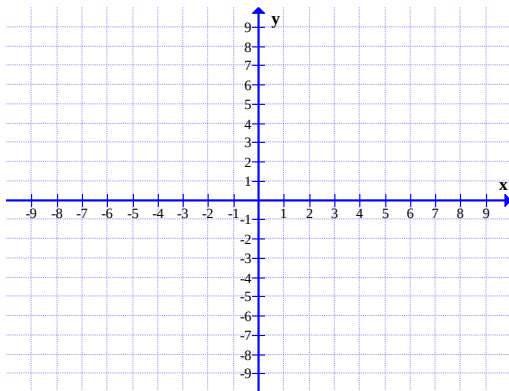


$y = -\frac{1}{3}x^2$

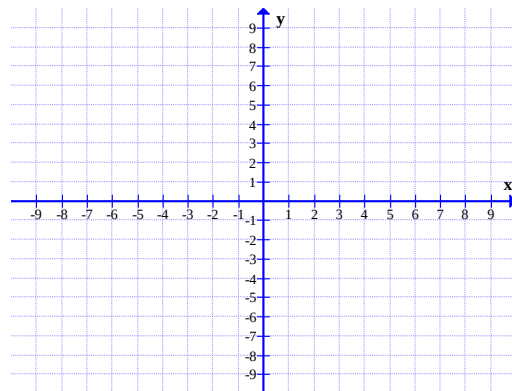


Graph : $y = ax^2 + k$

3) Graph $y = \frac{1}{2}x^2 - 2$

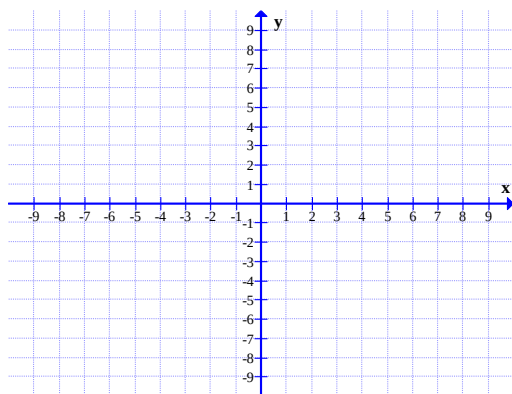


$$y = -2x^2 + 3$$

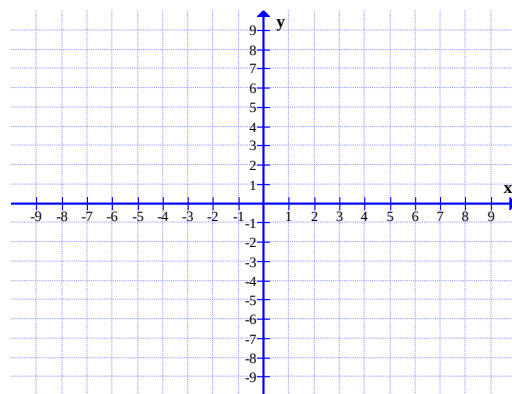


Graph : $y = a(x - h)^2$

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

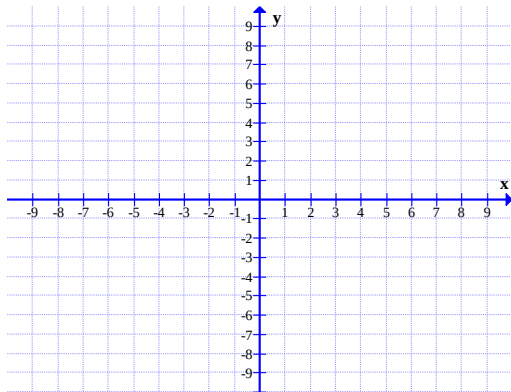


$$y = 2(x + 1)^2$$



Graph : $y = a(x - h)^2 + k$

5) Graph: $y = 2(x - 1)^2 - 3$



$y = -0.5(x + 2)^2 + 4$

