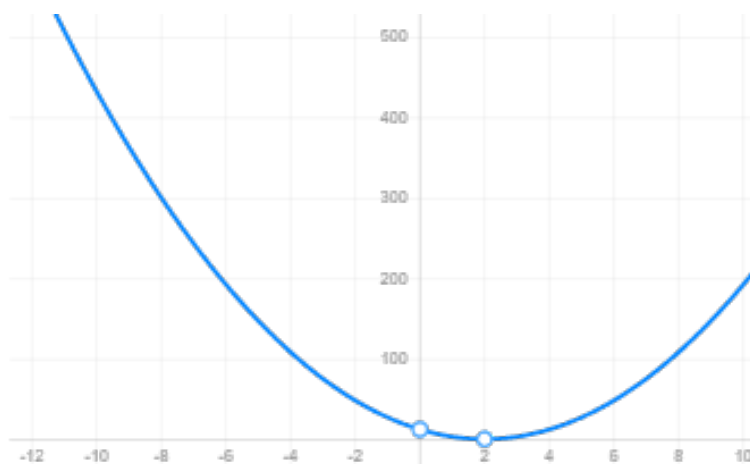
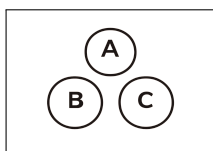


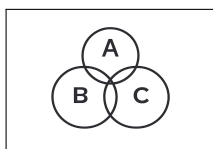
18 Functions and Graphs

Parabola / Quadratic

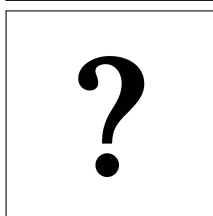
A



$$3(x - 2)^2 + 1 = 3(x^2 - 4x + 4) + 1 = 3x^2 - 12x + 13$$



$$a(x - h)^2 + k$$

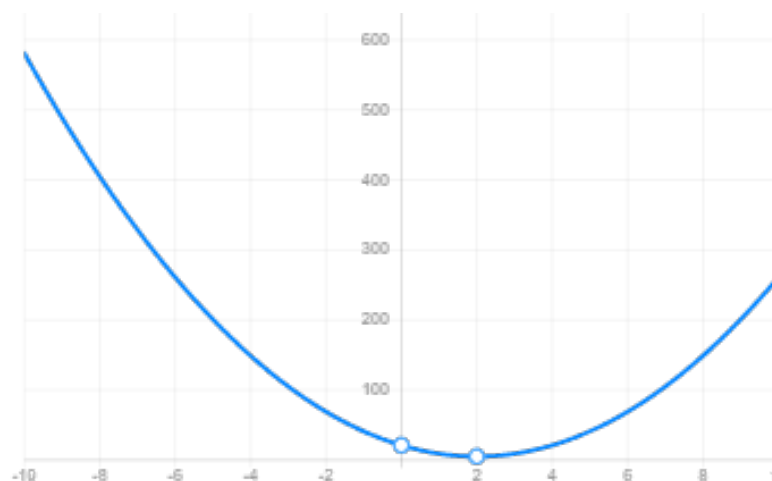


$$4(x - 2)^2 + 5 = ?$$

18 Functions and Graphs

Parabola / Quadratic

A



$$4(x-2)^2 + 5 = 4(x^2 - 4x + 4) + 5 = 4x^2 - 16x + 21$$