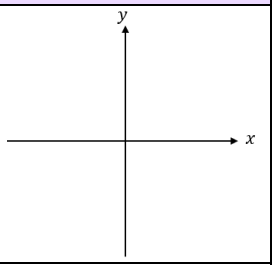
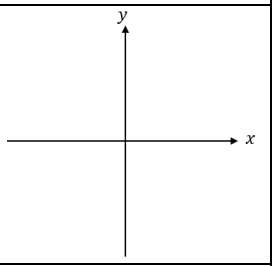
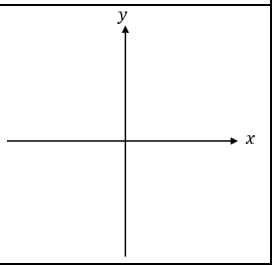
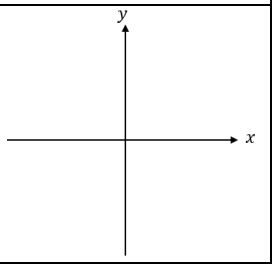
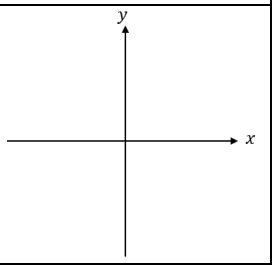
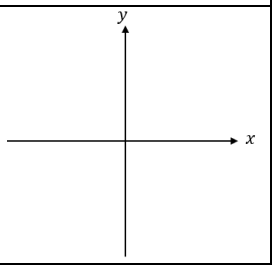
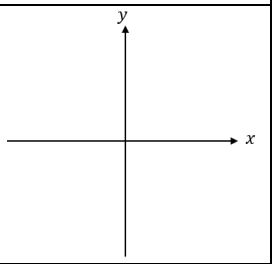
Fill in the Blanks — Sketching Quadratic Graphs

Quadratic Equation	y-intercept	x-intercept	Turning Point	Sketch
$y = x^2 + 6x - 16$	When $x = 0$ $y = -16$ $(0, -16)$	When $y = 0$ $(x + 8)(x - 2) = 0$ $x = -8, x = 2$ $(-8, 0)$ $(2, 0)$	$(x + 3)^2 - 9 - 16$ $= (x + 3)^2 - 25$ $(-3, -25)$	
$y = x^2 - 3x - 10$				
$y = x^2 + 9x$				
$y = 4x^2 + 8x - 21$				
$y = 12 - 4x - x^2$				
$y = 3x^2 - 2x - 1$				
$y = x^2 + 5ax + 6a^2$