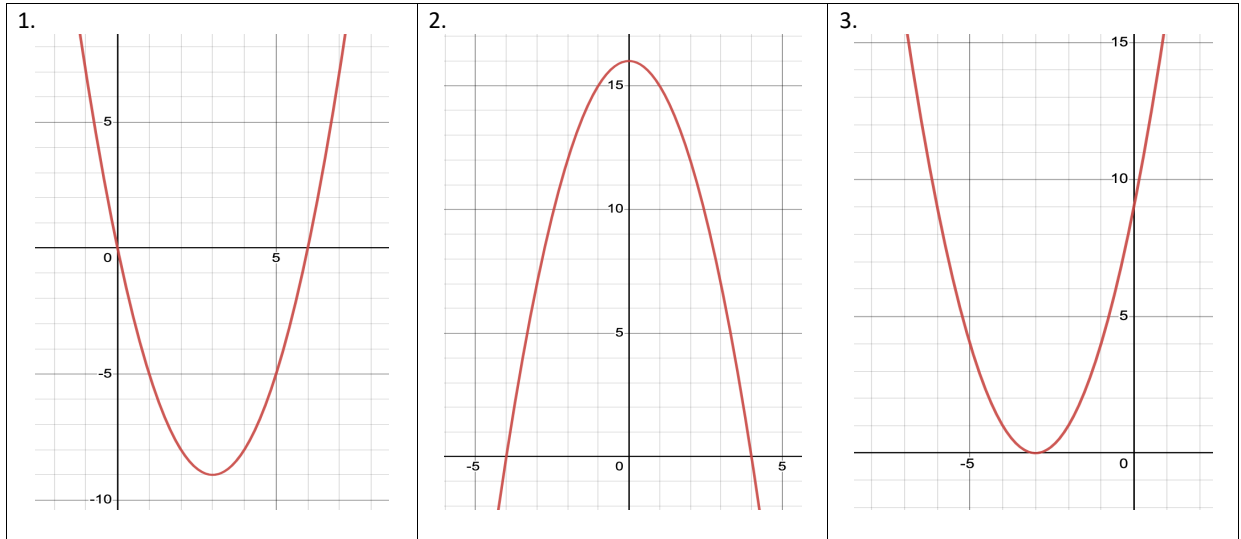
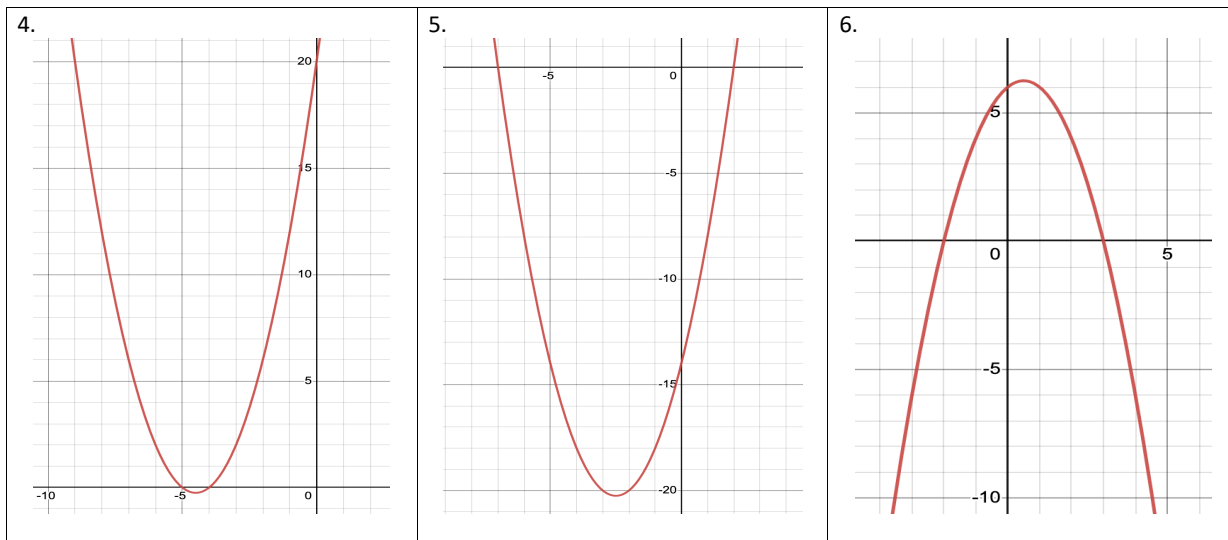


Problem 2.4 A



Factored Form	$y = x(x - 6)$	$y = (4-x)(4+x)$	$y = (x+3)^2$
Expanded Form	$y = x^2 - 6x$	$y = 16 - x^2$	$y = x^2 + 6x + 9$
y-intercept	$(0, 0)$	$(0, 16)$	$(0, 9)$
x-intercept(s)	$(0, 0)$ $(6, 0)$	$(-4, 0)$ $(4, 0)$	$(-3, 0)$
Min/Max	Min: $(3, -9)$	Max: $(0, 16)$	Min: $(-3, 0)$
Line of Symmetry	$x = 3$	$x = 0$	$x = -3$
Opens Up/Down	Up	Down	Up



Factored Form	$y = (x+4)(x+5)$	$y = (x+7)(x-2)$	$y = (3-x)(2+x)$
Expanded Form	$y = x^2 + 9x + 20$	$y = x^2 + 5x - 14$	$y = -x^2 + x + 6$
y-intercept	$(0, 20)$	$(0, -14)$	$(0, 6)$
x-intercept(s)	$(-5, 0)$ $(-4, 0)$	$(-7, 0)$ $(2, 0)$	$(-2, 0)$ $(3, 0)$
Min/Max	Min: $(-4.5, -0.25)$	Min: $(-2.5, -20.25)$	Max: $(0.5, 6.25)$
Line of Symmetry	$x = -4.5$	$x = -2.5$	$x = 0.5$
Opens Up/Down	Up	Up	Down