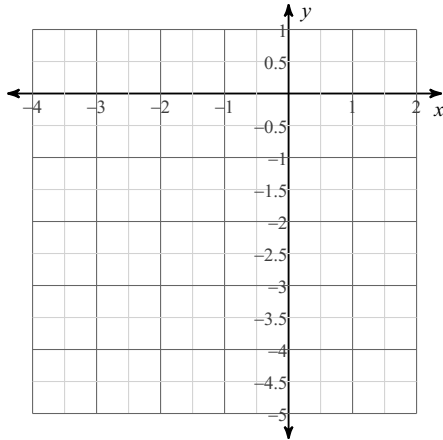


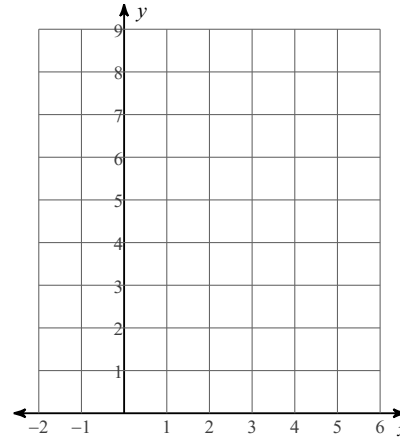
Graph From Standard Form

List the **a**, **b**, and **c** of each function. Find the axis of symmetry and vertex, then graph the function.

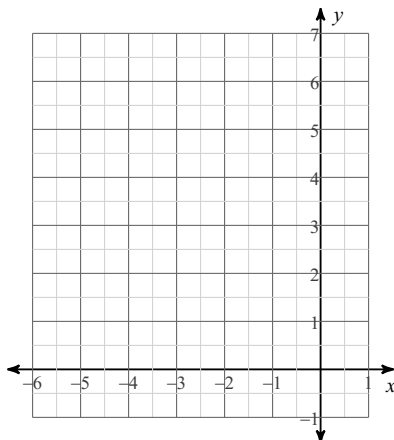
1) $y = x^2 + 4x$



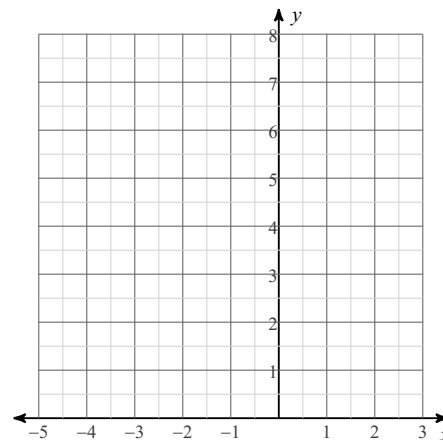
2) $y = x^2 - 6x + 13$



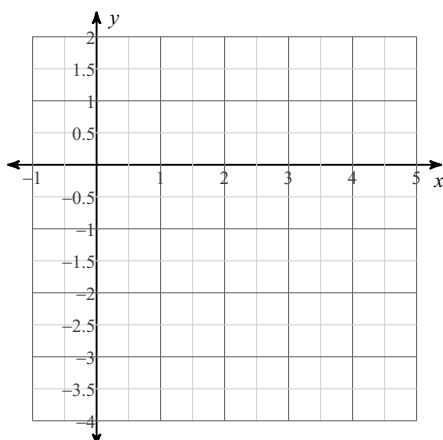
3) $y = x^2 + 8x + 17$



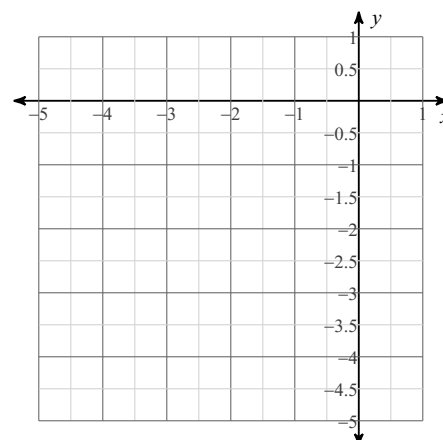
4) $y = x^2 - 2x + 4$



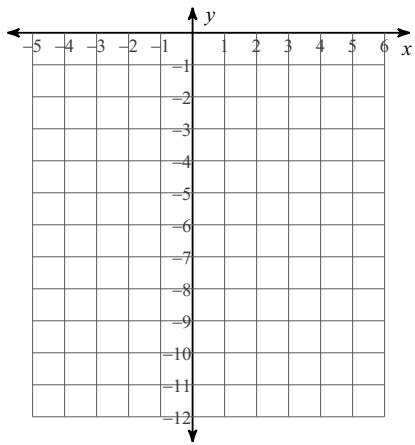
5) $y = x^2 - 4x + 1$



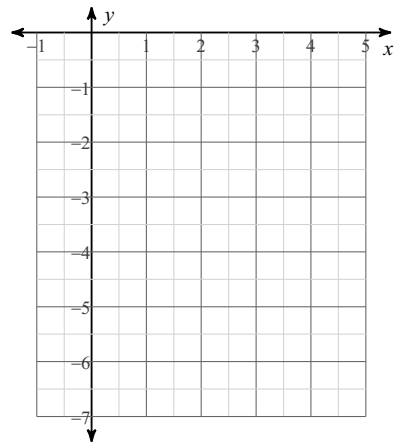
6) $y = x^2 + 2x - 3$



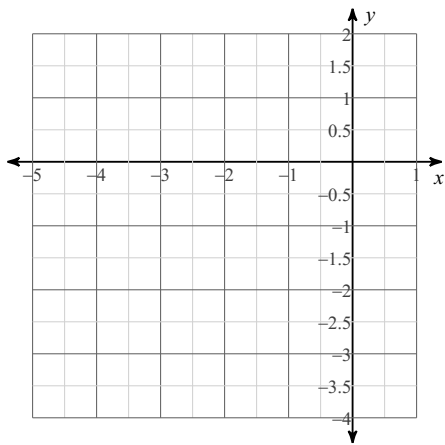
7) $y = -2x^2 + 16x - 35$



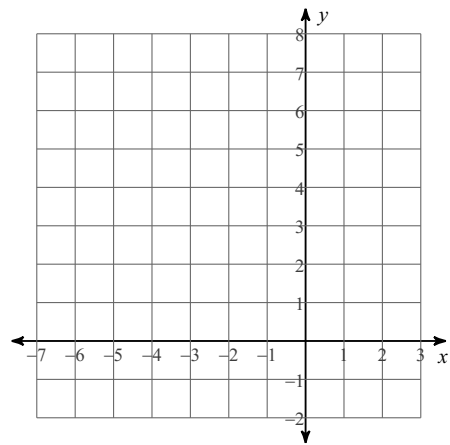
8) $y = -x^2 + 4x - 6$



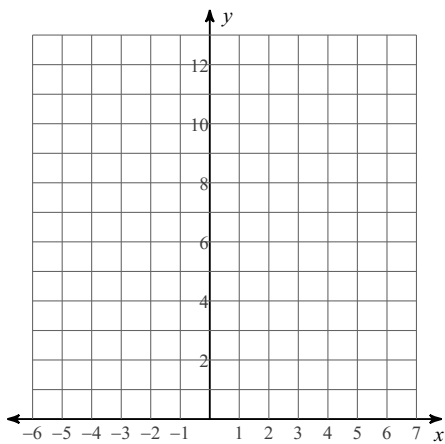
9) $y = -x^2 - 2x$



10) $y = 2x^2 + 8x + 7$



11) $y = 2x^2 + 16x + 36$



12) $y = 4x^2 + 16x + 15$

