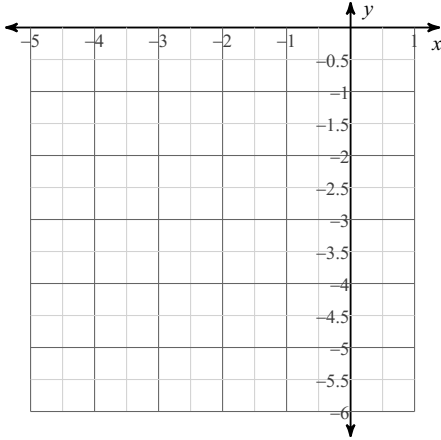


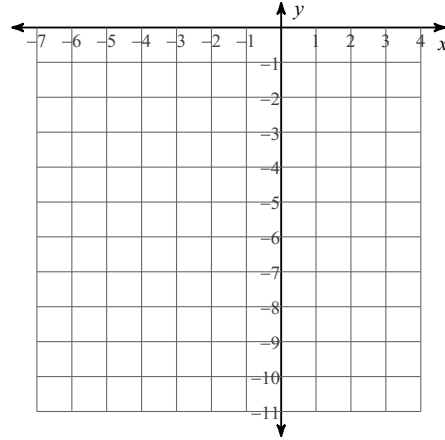
Complete the Square and Graph

Complete the square of each function. Identify the x-intercepts, the y-intercept, the stretch, the vertex, and the axis of symmetry. Then graph.

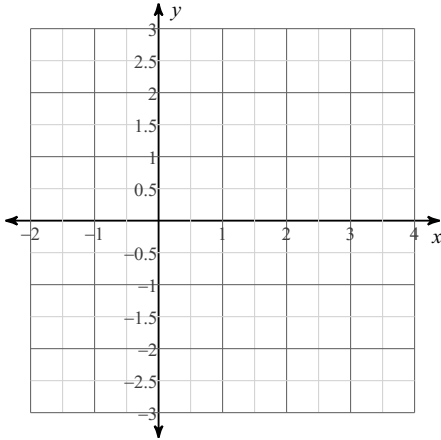
1) $y = -x^2 - 6x - 10$



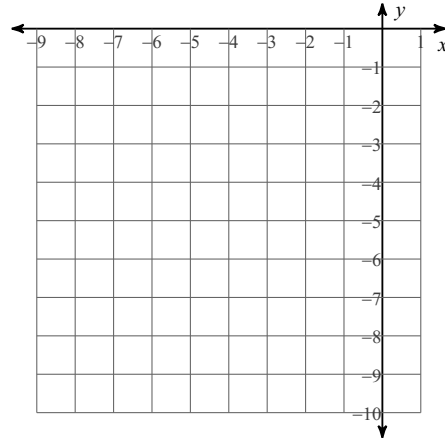
2) $y = -2x^2 - 16x - 34$



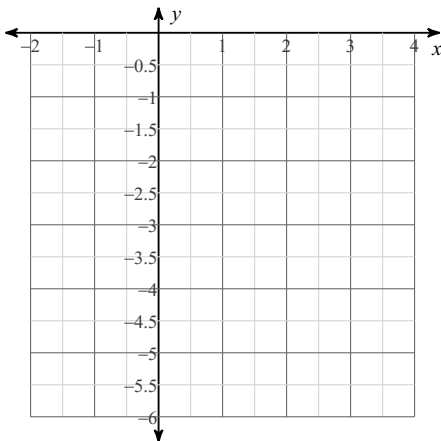
3) $y = x^2 - 4x + 2$



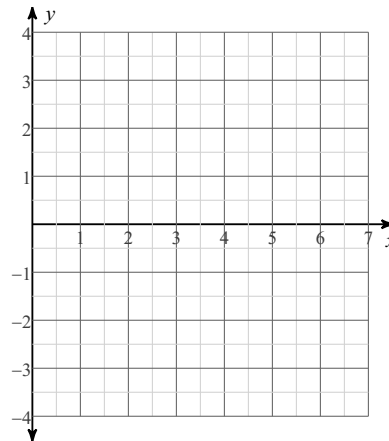
4) $y = -2x^2 - 4x - 3$



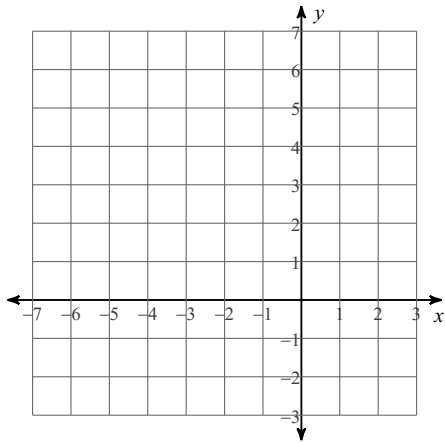
5) $y = -x^2 + 2x - 2$



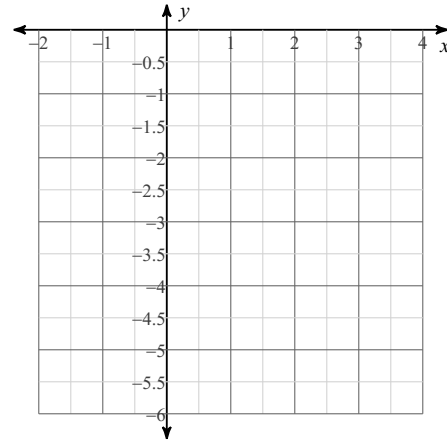
6) $y = x^2 - 8x + 14$



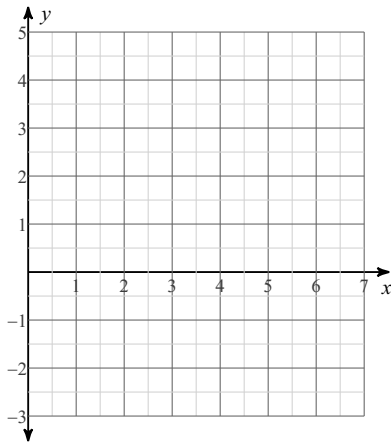
7) $y = 2x^2 - 4x$



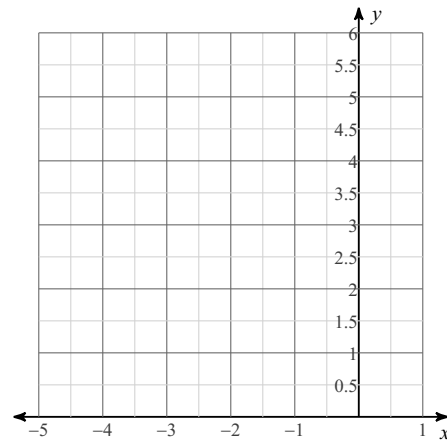
8) $y = -\frac{1}{2}x^2 + 2x - 5$



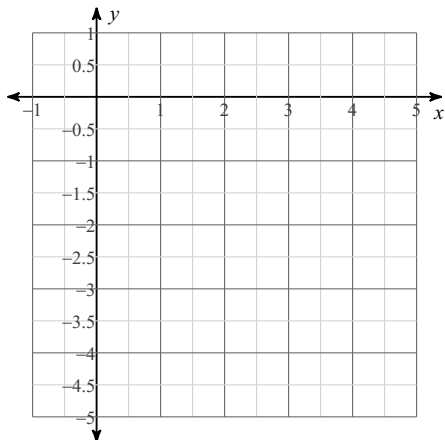
9) $y = x^2 - 8x + 15$



10) $y = x^2 + 4x + 5$



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



12) $y = 2x^2 + 16x + 31$

