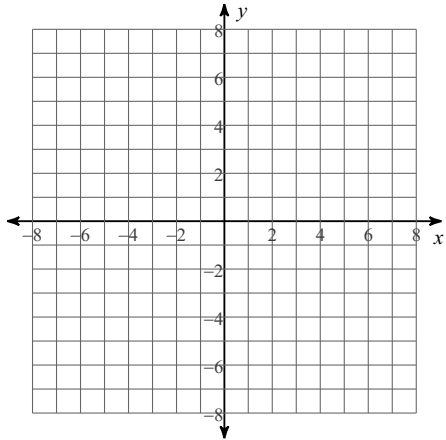


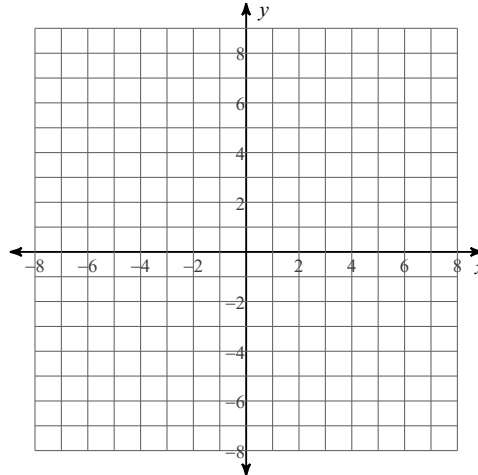
# Graphing Quadratics Review

**Graph each quadratic equation. List all key features.**

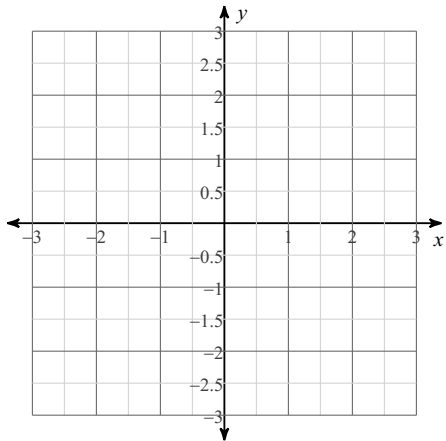
1)  $y = (x + 2)(x + 0)$



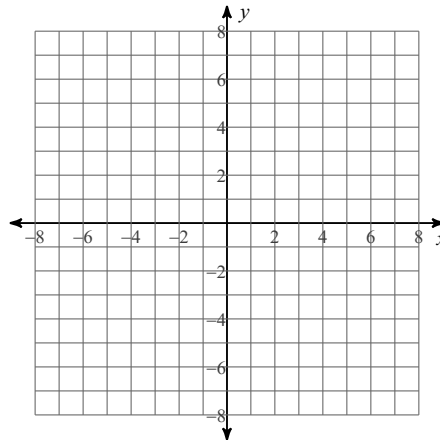
2)  $y = -x^2 + 4x + 5$



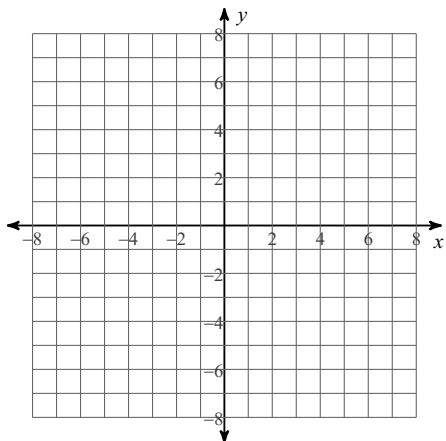
3)  $y = -(x - 1)^2 + 2$



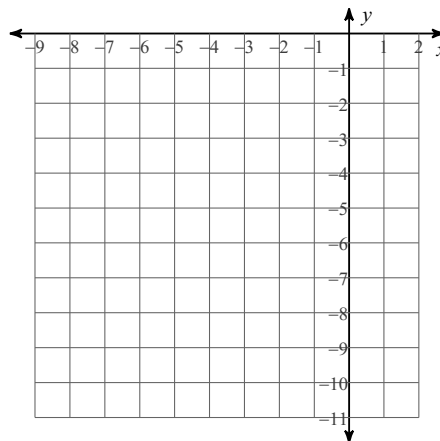
4)  $y = (x + 6)(x + 2)$



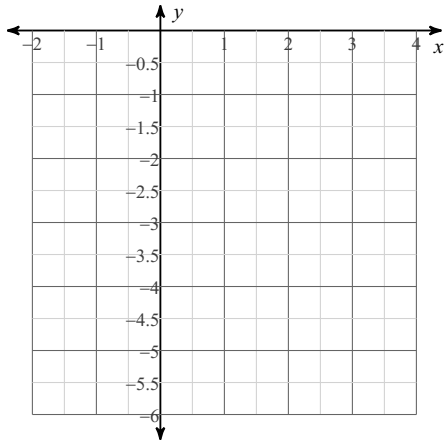
5)  $y = x^2 + 8x + 12$



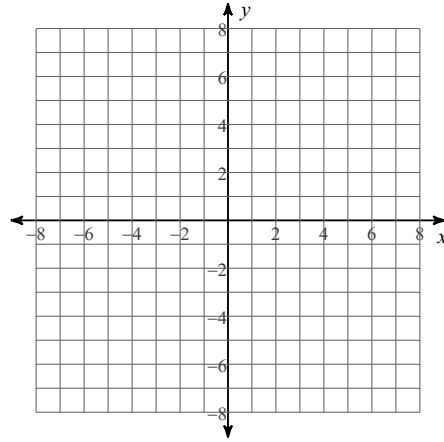
6)  $y = -2(x + 4)^2 - 2$



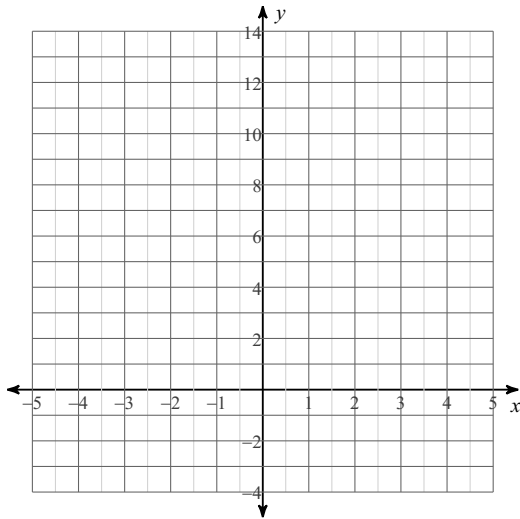
7)  $y = -(x - 2)^2 - 1$



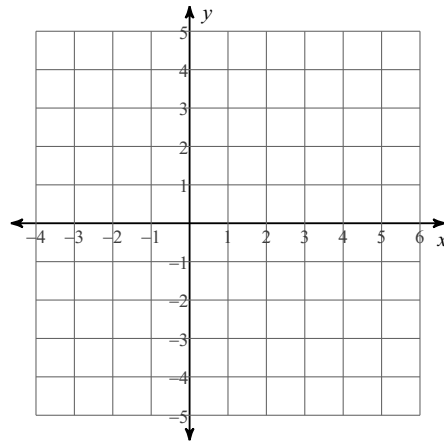
8)  $y = -(x - 2)(x - 4)$



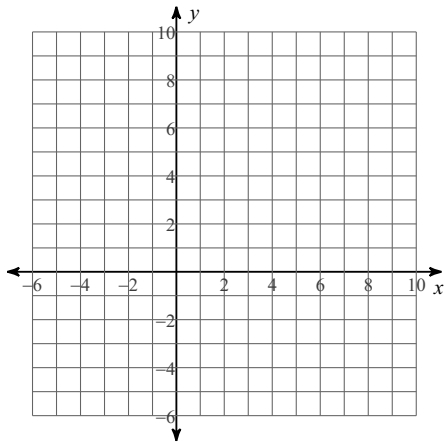
9)  $y = 4x^2 - 16x + 12$



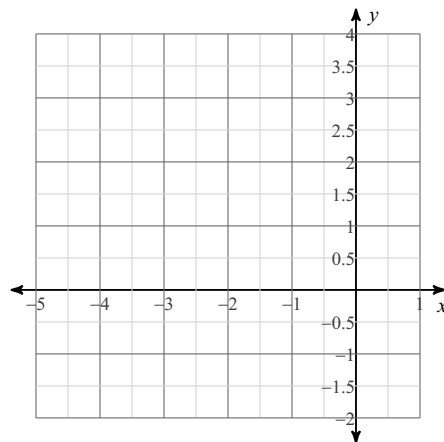
10)  $y = 2(x + 1)^2 - 4$



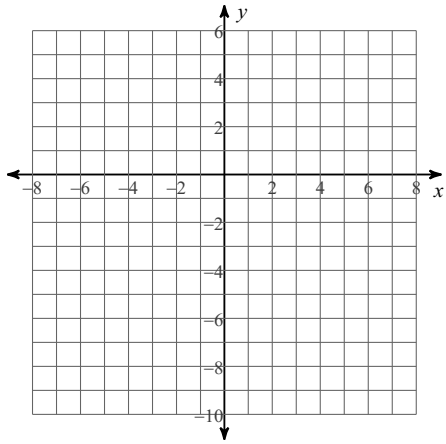
11)  $y = -2(x - 9)(x - 5)$



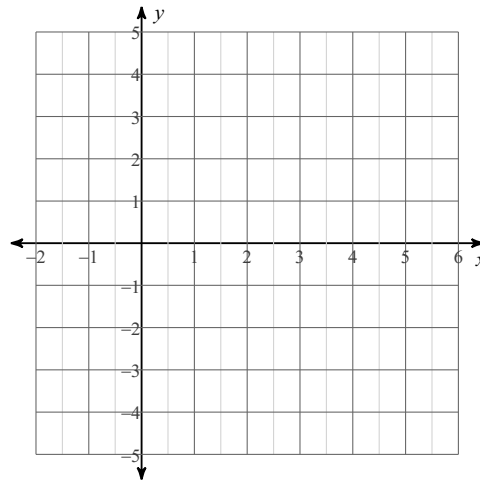
12)  $y = -(x + 3)^2 + 3$



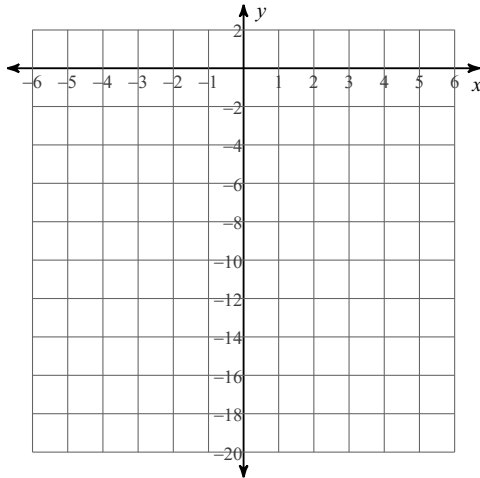
13)  $y = x^2 - 4x - 5$



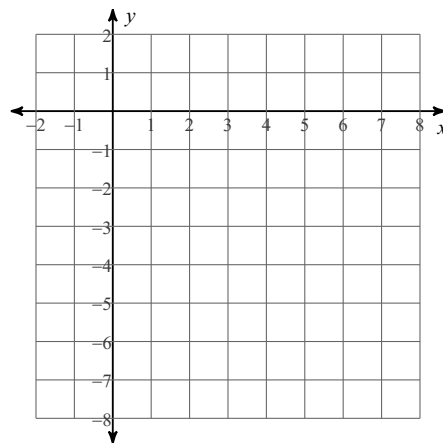
14)  $y = \frac{1}{2}(x - 5)(x + 1)$



15)  $f(x) = 2x^2 + 4x - 16$



16)  $f(x) = -\frac{1}{2}(x - 4)^2 - 2$



**Factor each completely.**

17)  $9r^2 - 1$

18)  $16x^2 - 1$

19)  $-5x^2 + 50x - 120$

20)  $p^2 - 16p + 63$

$$21) x^2 + 5x$$

$$22) m^2 - 8m - 9$$

$$23) x^2 - 4x + 3$$

$$24) x^2 - 11x + 28$$

$$25) 9n^2 - 64$$

$$26) 9x^2 - 25$$