

Factor Quadratics ($a = 1, b > 0, c > 0$)

Factor each completely.

$$k^2 + 11k + 24$$

$$y^2 + 17y + 72$$

$$w^2 + 12w + 27$$

$$x^2 + 7x + 12$$

$$h^2 + 15h + 54$$

$$m^2 + 17m + 72$$

$$k^2 + 13k + 42$$

$$s^2 + 13s + 40$$

Factor Quadratics ($a = 1$, $b > 0$, $c > 0$)

Factor each completely.

$$\begin{aligned} k^2 + 11k + 24 \\ = (k + 8)(k + 3) \end{aligned}$$

$$\begin{aligned} y^2 + 17y + 72 \\ = (y + 8)(y + 9) \end{aligned}$$

$$\begin{aligned} w^2 + 12w + 27 \\ = (w + 9)(w + 3) \end{aligned}$$

$$\begin{aligned} x^2 + 7x + 12 \\ = (x + 3)(x + 4) \end{aligned}$$

$$\begin{aligned} h^2 + 15h + 54 \\ = (h + 9)(h + 6) \end{aligned}$$

$$\begin{aligned} m^2 + 17m + 72 \\ = (m + 9)(m + 8) \end{aligned}$$

$$\begin{aligned} k^2 + 13k + 42 \\ = (k + 6)(k + 7) \end{aligned}$$

$$\begin{aligned} s^2 + 13s + 40 \\ = (s + 8)(s + 5) \end{aligned}$$