

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

Factor each completely.

$$k^2 + 5k - 24$$

$$y^2 + y - 72$$

$$w^2 + 6w - 27$$

$$x^2 + x - 12$$

$$h^2 + 3h - 54$$

$$m^2 + m - 72$$

$$k^2 + k - 42$$

$$s^2 + 3s - 40$$

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

Factor each completely.

$$\begin{aligned}k^2 + 5k - 24 \\ = (k + 8)(k - 3)\end{aligned}$$

$$\begin{aligned}w^2 + 6w - 27 \\ = (w + 9)(w - 3)\end{aligned}$$

$$\begin{aligned}h^2 + 3h - 54 \\ = (h + 9)(h - 6)\end{aligned}$$

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

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

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

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

$$\begin{aligned}s^2 + 3s - 40 \\ = (s + 8)(s - 5)\end{aligned}$$