

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

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 Trinomials ( $a = 1$ , $b < 0$ , $c < 0$ )

Factor each completely.

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

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

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

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

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

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

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

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