Review Completing the Square!!! → "a" must be 1

$p^2 + 14p - 38 = 0$

$p^2 + 14p = 38$

$p^2 + 14p + (7)^2 = 38 + 49$

$(p+7)^2 = 87$

$\sqrt{(p+7)^2} = \sqrt{87}$

$p + 7 = \pm\sqrt{87}$

$p = -7 + \sqrt{87}$

$p = -7 - \sqrt{87}$

$5k^2 = 60 - 20k$

$5k^2 + 20k = 60$

$5(k^2 + 4k) = 60$

$5(k^2 + 4k + (2)^2) = 60 + 20$

$5(k+2)^2 = 80$

$(k+2)^2 = 16$

$k + 2 = \pm 4$

$k = -6$

$k = 2$

SAGE AND SCRIBE!

$x^2 - 12x + 11 = 0$

$x = 11$

$x = 1$

$x^2 + 6x + 8 = 0$

$x = -2$

$x = -4$

$6x^2 - 48 = -12x$

$x = 2$

$x = -4$

$-2a^2 = -6 + 8a$

$a = -3$

$a = -1$