

$$5x^2 + 14x + 13 = 0$$

$$x^2 + 14x + 13 = 0$$

$$x^2 + 14x + 49 - 49 + 13 = 0$$

$$(x + 7)^2 = 36$$

$$(x + 7) = \pm 6$$

$$x_1 = -1 \text{ and } x_2 = -13$$

$$6. 5x^2 - 12x = -2$$

$$5x^2 - 12x + 2 = 0$$

$$5(x^2 - 2.4x + .4) = 0$$

$$5(x^2 - 2.4x + 1.44 - 1.44 + .4) = 0$$

$$x^2 - 2.4x + 1.44 - 1.04 = 0$$

$$(x - 1.2)^2 = 1.04$$

$$(x - 1.2) = \pm 1.02$$

$$x_1 = .18 \text{ and } x_2 = 2.22$$