

$$7. \quad x^2 - \frac{1}{2}x - 3 = 0$$

$$2\left(x^2 - \frac{1}{2}x - 3\right) = 2(0)$$

$$2x^2 - x - 6 = 0$$

$$(2x + 3)(x - 2) = 0$$

$$2x + 3 = 0$$

$$-3 \quad -3$$

$$2x = -3$$

$$x = \frac{-3}{2}$$

$$x - 2 = 0$$

$$+2 \quad +2$$

$$x = 2$$