

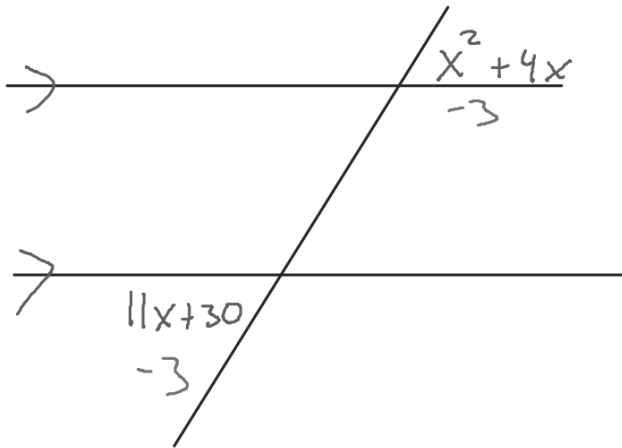
$$x^2 = x + 12$$

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

$$(x-4)(x+3) = 0$$

$$x-4=0 \quad x+3=0$$

$$x=4 \quad x=-3$$



$$x^2 + 4x = 11x + 30$$

$$-11x \quad -11x \quad -30$$

$$x^2 - 7x - 30 = 0$$

$$(x - 10)(x + 3) = 0$$

$$x - 10 = 0 \quad x + 3 = 0$$

$$\textcircled{x = 10} \quad \cancel{x = -3}$$