

1.T.2

$$x(x - 1) = 6;$$

$$x^2 - x = 6;$$

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

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

$$x - 3 = 0 \text{ or } x + 2 = 0;$$

$$x = 3 \text{ or } x = -2.$$

If you like, the solution set for x is $\{-2, 3\}$.