

$$x^2 + \sqrt{x^2} - 2 = 0$$

$$|x|^2 + |x| - 2 = 0$$

$$|x| = t$$

$$t^2 + t - 2 = 0$$

$$t_1 = 1$$

$$t_2 = -2$$

$$|x| = 1$$

$$x = 1$$

$$x = -1$$

Ответ: 1; -1

$$x^2 + (\sqrt{x})^2 - 2 = 0$$

$$x \geq 0$$

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

$$x_1 = 1$$

$$x_2 = -2$$

Ответ: 1.

$$\sqrt{x^2} = |x|$$
$$\sqrt{x^2} = x$$
$$x \geq 0$$

