

$$|x^2 - 1| + x + 1 = 0$$
$$|x^2 - 1| = -x - 1$$

$$-x - 1 \geq 0$$
$$x^2 - 1 = -x - 1$$
$$x^2 - 1 = x + 1$$

$$(x+1)(x-1) = x+1$$
$$(x+1)(x-1) - (x+1) = 0$$
$$(x+1)(x-1-1) = 0$$
$$(x+1)(x-2) = 0$$
$$x+1 = 0$$
$$x = -1$$
$$x-2 = 0$$
$$x = 2$$

Ответ: -1; 2

$$x^2 - 1 = -1 - x$$
$$x^2 - 1 + x + 1 = 0$$
$$x(x+1) = 0$$
$$x = 0$$
$$x = -1$$

Ответ: -1.

$$(x+1)(x-1) = x+1$$

$$(x-1) = 1 \quad x = 2$$
$$x+1 \neq 0 \quad x \neq -1$$

$$x+1 = 0 \quad x = -1$$
$$x-1 = ? \dots \quad x \text{ - любое число}$$

$$|a| = 2$$
$$a = 2$$
$$a = -2$$

$$|a| = b$$
$$a = b$$
$$a = -b$$
$$a \geq b$$

