

Algebra x³ B

$$\frac{x+1}{2} + \frac{1}{2} - x + \frac{x^2-4}{x^2+4} = 0$$

$$\frac{x}{2} + \frac{1}{2} + \frac{1}{2} - x + \frac{x^2-4}{x^2+4} = 0$$

$$-\frac{x}{2} + 1 + \frac{x^2-4}{x^2+4} = 0 / (x^2 + 4) \cdot 2$$

$$-x(x^2+4) + 2x^2+8+(x^2-4) \cdot 2 = 0$$

$$-x^3 - 4x + 2x^2 + 8 + 2x^2 - 8 = 0$$

$$-x(x^2 - 2x - 2x + 4) = 0$$

$$-x(x^2 - 4x + 4) = 0$$

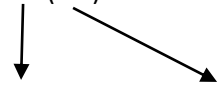
$$a^2 - 2ab + b^2 = (a-b)^2$$

$$-x \cdot (x-2)^2 = 0$$



$$-x = 0$$

$$x = 0$$



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

$$x - 2 = 0$$

$$x = 2$$