Algebra x^3 B

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

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

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

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

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

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

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

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

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

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

$x = 0$ $\qquad$ $x - 2 = 0$

$x = 2$