11.) $\frac{1}{x+2} + \frac{1}{x-2} = \frac{4}{x^2-4}$ $\quad$ LCD

$(x-2)(x+2)$

$(x+2)(x-2)\left(\frac{1}{x+2} + \frac{1}{x-2} = \frac{4}{(x-2)(x+2)}\right)$

$\frac{(x+2)(x-2)}{x+2} + \frac{(x+2)(x-2)}{x-2} = \frac{4(x+2)(x-2)}{(x-2)(x+2)}$

$x-2+x+2 = 4$

$\frac{2x}{2} = \frac{4}{2}$

$x = 2$

Check

$\frac{1}{x+2} + \frac{1}{x-2} = \frac{4}{(x-2)(x+2)}$

If we plug in 2 we would get

$\frac{1}{4} + \frac{1}{0} = \frac{4}{0}$ } this undefineded therefere there is

NO SOLUTION