

Solve for x :

$$3 - \frac{x-2}{4} = 4$$

$$\frac{2x-3}{2} + \frac{x+1}{3} = \frac{3x-1}{2}$$

$$\frac{x-3}{\frac{1}{2}} + \frac{2x-1}{\frac{1}{2}} = 1$$

$$\frac{2x-5}{(x+2)(x-4)} = \frac{1}{2(x-4)}$$