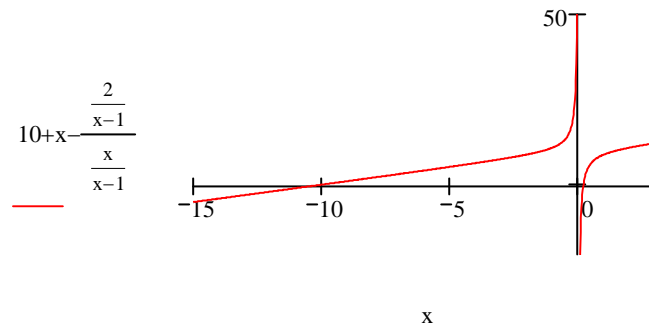


Bruchgleichungen

1)

$$10 + x = \frac{\frac{2}{x-1}}{\frac{x}{x-1}}$$

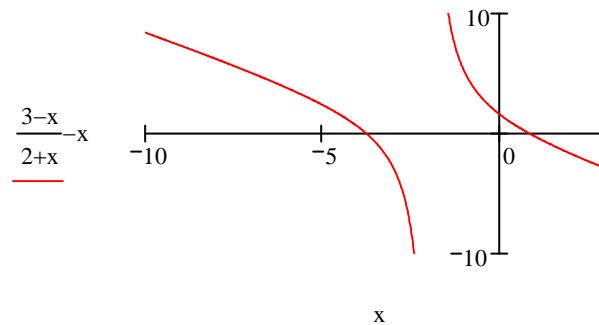
Lösung : $\begin{pmatrix} -5 + 3\sqrt{3} \\ -5 - 3\sqrt{3} \end{pmatrix} = \begin{pmatrix} 0.196 \\ -10.196 \end{pmatrix}$



2)

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

Lösung : $\begin{pmatrix} \frac{-3}{2} + \frac{1}{2}\sqrt{21} \\ \frac{-3}{2} - \frac{1}{2}\sqrt{21} \end{pmatrix} = \begin{pmatrix} 0.791 \\ -3.791 \end{pmatrix}$



3)

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

Lösung : $\begin{pmatrix} \frac{21}{8} + \frac{1}{8}\sqrt{57} \\ \frac{21}{8} - \frac{1}{8}\sqrt{57} \end{pmatrix} = \begin{pmatrix} 3.569 \\ 1.681 \end{pmatrix}$

