

LATIHAN FUNGSI INVERS

Matematika Wajib Kelas X

Isilah titik titik dibawah ini dengan jawaban yang benar!

1. Tentukan fungsi invers dari $f(x) = 2x - 6$!

Jawab :

$$f(x) = 2x - 6$$

$$y = 2x - 6$$

$$y + \dots = 2x$$

$$\frac{y + \dots}{\dots} = x$$

$$f^{-1}(x) = \frac{\dots}{\dots}$$

2. Tentukan fungsi invers dari $f(x) = \frac{3x-1}{x+2}$

Jawab :

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

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

$$y(\dots\dots\dots\dots) = 3x - 1$$

$$\dots\dots\dots = 3x - 1$$

$$\dots\dots\dots - 3x = \dots\dots\dots - 1$$

$$x(\dots\dots\dots\dots) = \dots\dots\dots - 1$$

$$x = \frac{\dots\dots\dots - 1}{\dots\dots\dots\dots}$$

$$f^{-1}(x) = \frac{\dots\dots\dots\dots}{\dots\dots\dots}$$