

1分前



次の不等式を解け。

(1) $\frac{2}{x+2} \leq x$

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

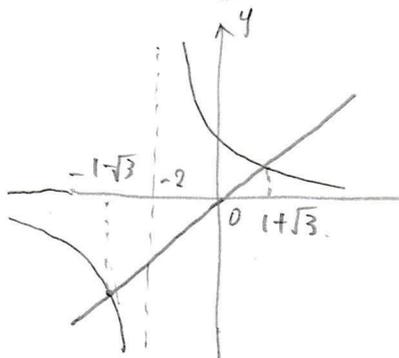
(1)

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

両辺 $x+2$ をかけて整理すると

$x^2 + 2x - 2 = 0$

$x = -1 \pm \sqrt{3}$



7分前 (1) 求める不等式の解け

$-1 - \sqrt{3} \leq x < -2, -1 + \sqrt{3} \leq x$

(2)

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

$\frac{2x-4}{x-1} = x-2$

$2x-4 = (x-2)(x-1)$

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

$x^2 - 5x + 6 = 0 \quad (x-2)(x-3) = 0$

$x-2$ の分母上 $1 = \sqrt{3}$ のけ。

$1 < x < 2, x > 3$

