Nama : Ade Hikmat

No.: Kelas : TIP 22B Date.:

1. $\frac{x+2}{4-2x} \geq 1-x$

$\frac{x+2}{4-2x} - (1-x) \geq 0$

$\frac{x+2}{4-2x} - \frac{(1-x)(4-2x)}{1} \times \frac{}{(4-2x)} \geq 0$

$\frac{x+2}{4-2x} - \frac{(1-x)(4-2x)}{4-2x} \geq 0$

$\frac{x+2-(4-2x-4x+2x^2)}{4-2x} \geq 0$

$\frac{x+2-4+2x+4x-2x^2}{4-2x} \geq 0$

$\frac{-2+7x-2x^2}{4-2x} \geq 0$

- $-2x^2+7x-2=0$

~~$a=-2, b=7, c$~~

$a=-2, b=7, c=-2$

KIKY

No.: Date.:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$x = \frac{-7 \pm \sqrt{7^2 - 4(-2)(-2}}{2(-2)}$$

$$x = \frac{-7 \pm \sqrt{49 - 16}}{-4}$$

$$x = \frac{-7 \pm \sqrt{33}}{-4}$$

$$x = \frac{-7 - \sqrt{33}}{-4} \text{ atau } \frac{-7 + \sqrt{33}}{-4}$$

- $4 - 2x = 0$

  $-2x = -4$

  $x = -4/-2$

  $x = 2$

Substitusikan $x = 0$ ke $\frac{-2x^2 + 7x - 2}{4 - 2x}$

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

No.: Date.:

Jujur saya tidak mengerti ini pak
Apakah hasil substitusi itu cuman sebatas
menentukan simbol < atau > ?
~~dan mengapa~~

$HP = \{x \leq \frac{7-\sqrt{33}}{4}$ atau $2 < x \leq \frac{7+\sqrt{33}}{4}, x \in R\}$

(3). $|2-x| + |3-2x| \leq 3$

• $2-x+3-2x \leq 3$
$5-3x \leq 3$
$-3x \leq 3-5$
$-3x \leq -2$
$x \leq \frac{-2}{-3}$
$x \leq \frac{2}{3}$

• $2-x+3-2x \leq -3$
$5-3x \leq -3$
$-3x \leq -3-5$
$-3x \leq -8$
$x \leq \frac{-8}{-3}$
$x \leq \frac{8}{3}$

KIKY

No. :

Date. :

~~$HP = \{ \frac{2}{3} \leq x \leq \frac{8}{3} \}$~~

$HP = \{ \frac{2}{3} \leq x \leq \frac{8}{3}, x \in R \}$