Nama: Promes Ray Lapian

NPM : 140810210059

1. ||x| +3x | 62 -2 6 x +3x 62

0 |x| +3x ≥ -2

x 1-3x-2 atou x = 3x+2

3×+x ≥ -2 -3x+x £ 2 AZ = -2 -276 62 x 3-1/2

3 |x1 + 3x + 2 1x14-3x+2

3x-2 Lx 4-3x+2

32-2 =x | x = -3x+2 2× 62 42 42 2 ± 1/2 x El



Hp = {x | -1 + x + 1/2}

2.  $|x-1| \ge \frac{2}{x}$ 

 $\chi - 1 = \frac{2}{\chi}$  atou  $\chi - 1 = -\frac{2}{3}$ 

 $\chi - 1 - \frac{2}{\chi} \stackrel{>}{=} 0$   $\chi - 1 + \frac{7}{\chi} \stackrel{<}{=} 0$ 

 $\frac{x^{2}-x-2}{x} \stackrel{1}{=} 0$   $\frac{x^{2}-x+2}{x} \stackrel{1}{=} 0$   $\frac{x^{2}-x+2}{x} \stackrel{1}{=} 0$   $\frac{x^{2}-x+2}{x} \stackrel{1}{=} 0$   $D = b^{2}-A.\alpha.c$  $\frac{\chi}{\chi_{z-1}, \chi_{z-2}, \chi_{\neq 0}} = (-1)^2 - 4 \cdot 1 \cdot 2$   $= (-1)^2 - 4 \cdot 1 \cdot 2$  = 1 - 8 = -7

HP: \$ , 1040, 030-0 Def. 1

Hp={x|x200x22}

3. x-1 = = 121

X-1-2 20

x-1+2 =0  $\frac{x^{2} \cdot x^{2} \cdot 7}{x} \stackrel{\geq}{=} 0$   $(x \cdot 1)(x \cdot 2)$   $\chi \stackrel{=}{=} 1, x \cdot 2, x \neq 0$   $\chi \stackrel{\geq}{=} 0, x \leftarrow 0 \quad \forall p : \emptyset$ 

4. 2x+3 = \Axtel (201+3)2 = (px+5)2

(2x+3)2 - (1x+5)2 20

((2x+3)+(4x+5))-((2x+3)-(4x+5)) =0

(6x+8) (-2x-2) - 1/2 -2=-4/5, x=-1 -4/3 -1

HP: {x |-4/3 4x 4-1}

S. 2 - x = 1 ( = x)2 = (1)2

 $\left(\frac{2}{2}(-2)\right) - \left(1\right)^2 \ge 0$ 

 $\left(\left(\frac{2}{\lambda}-x\right)+1\right) \left(\left(\frac{2}{\lambda}-x\right)-1\right) \stackrel{?}{=} 0 \quad -R \quad -1 \quad 0 \quad 1 \quad 2$ 

 $\left(\frac{x}{x_5+x+5}\right)\left(\frac{3}{-x_5-x+5}\right) \neq 0$   $4b:\left(-\infty,-5\right)$  n

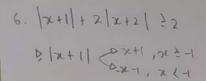
 $(x^2-x-2)(x^2+x-5)$  =(0,1)

(x+1)(x-2)(x-1)(x+2)

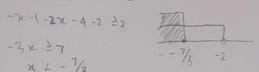
x = -1, x = 2, x = 1, x = -2

7- MM - M

= [2,00)



## D. Bagian I

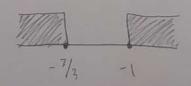


## 9 Bagian I



## & Bagian I





Hp= {x | x 4-7/3 U x = -1}