

1034

$$|x| < 3$$

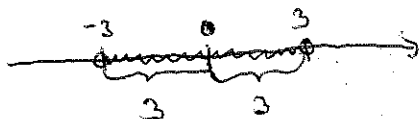
⇕

$$|x-0| < 3$$

⇕

$$\text{'avst. } x \text{ till } 0' < 3$$

⇕



⇕

$$\underline{\underline{-3 < x < 3}}$$

1042

a) avst x till 3 $> 5 \Leftrightarrow |x-3| > 5$

b) avst x till -2 $= 6 \Leftrightarrow |x-(-2)| = 6$
 $\Leftrightarrow |x+2| = 6$

c) avst $3z+1$ och $4-z \leq 1$

$$\Leftrightarrow |3z+1 - (4-z)| \leq 1$$

$$\Leftrightarrow |4z-3| \leq 1$$

1043

a) $7 > 4, 7 \geq 4$

b) $6 = 6, 6 \geq 6, 6 \leq 6$

c) $-5 < -3, -5 \leq -3$

d) $1 > -1, 1 \geq -1$

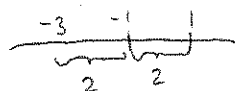
e) $-2 = -2, -2 \geq -2, -2 \leq -2$

1044

a) $|x| = 3 \Leftrightarrow$ avst x till 0 $= 3 \Leftrightarrow$ $\Leftrightarrow \underline{\underline{x=3}}$ eller $\underline{\underline{x=-3}}$

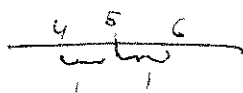
b) $|x-2| = 3 \Leftrightarrow$ avst x till 2 $= 3 \Leftrightarrow$ $\Leftrightarrow \underline{\underline{x=5}}$ eller $\underline{\underline{x=-1}}$

c) $|x+1| = 2 \Leftrightarrow |x-(-1)| = 2 \Leftrightarrow$ avst. x till -1 $= 2$



$$\Leftrightarrow \underline{\underline{x=-3}} \text{ eller } \underline{\underline{x=1}}$$

d) $|5-x| = 1 \Leftrightarrow$ avst 5 till $x = 1$



$$\underline{\underline{x=4}} \text{ eller } \underline{\underline{x=6}}$$