

MATEMATIK TINGKATAN I

BAB 7: KETAKSAMAAN LINEAR (KUIZ 3)

CONTOH

$$\begin{aligned} 3x - 10 &< 5 \\ 3x &< 5 + 10 \\ 3x &< 15 \\ x &< 5 \end{aligned}$$

$$\begin{aligned} 3x - 4 &> 9x + 20 \\ 3x &> 9x + 24 \\ -6x &> 24 \\ x &< -4 \end{aligned}$$

Selesaikan setiap ketaksamaan yang berikut.

a) $x + 3 > 10$

$$\begin{array}{ccccccc} x & > & 10 & & & & 3 \\ x & & & & & & \end{array}$$

b) $16 - 5x < -4$

$$\begin{array}{ccccccc} -5x & < & -4 & & & & 16 \\ -5x & < & & & & & \\ x & > & & & & & \\ & & & & & & -5 \\ x & & & & & & \end{array}$$

c) $5x - 7 \geq 13$

$$\begin{array}{ccccccc} 5x & \geq & 13 & & & & 7 \\ 5x & \geq & & & & & \\ x & \geq & & & & & \\ & & & & & & 5 \\ x & \geq & & & & & \end{array}$$

d) $5x - 13 > 8x + 5$

$$\begin{array}{ccccccc} 5x & - & & > & 5 & + & 13 \\ & & & & & & & -3x & > & \\ & & & & & & & x & & \\ & & & & & & & & & -3 \\ & & & & & & & x & & \end{array}$$