

不等式 連立不等式 (12問) 版Fの答え

※ 数直線に2つの範囲をかいて、重なる部分を読んだかを見てください。

$$\begin{aligned}(1) \quad & 3x + 10 \leq -3x + 52 \\ & -4x + 6 < 5x - 48 \\ & 6 < x \leq 7\end{aligned}$$

$$\begin{aligned}(2) \quad & 4x - 10 \geq 3x - 8 \\ & 3x + 6 > 2x + 8 \\ & x > 2\end{aligned}$$

$$\begin{aligned}(3) \quad & 6x - 4 > 3x - 16 \\ & 3x - 9 < -x + 3 \\ & -4 < x < 3\end{aligned}$$

$$\begin{aligned}(4) \quad & 6x + 9 < 39 \\ & 3x + 12 < -x + 48 \\ & x < 5\end{aligned}$$

$$\begin{aligned}(5) \quad & -5x - 10 < 3x - 38 \\ & -x + 12 < 5x + 33 \\ & x > 7/2\end{aligned}$$

$$\begin{aligned}(6) \quad & 3x + 12 \leq 4x + 20 \\ & -3x - 4 \geq -x + 6 \\ & -8 \leq x \leq -5\end{aligned}$$

$$\begin{aligned}(7) \quad & 2x - 8 < 5x + 4 \\ & 5x + 12 > -x - 6 \\ & x > -3\end{aligned}$$

$$\begin{aligned}(8) \quad & -4x - 3 > 5x + 3 \\ & 3x + 2 > x - 10 \\ & -6 < x < -2/3\end{aligned}$$

$$\begin{aligned}(9) \quad & 4x + 3 < 3x + 2 \\ & 6x + 8 < 32 \\ & x < -1\end{aligned}$$

$$\begin{aligned}(10) \quad & 2x - 5 < -3x + 15 \\ & -x - 12 \leq 2x - 15 \\ & 1 \leq x < 4\end{aligned}$$

$$\begin{aligned}(11) \quad & -3x - 3 > -4x - 5 \\ & -6x - 11 < -4x - 13 \\ & x > 1\end{aligned}$$

$$\begin{aligned}(12) \quad & -x + 5 > -2 \\ & 6x - 12 > 4x - 4 \\ & 4 < x < 7\end{aligned}$$