

不等式 連立不等式 (12問) 版I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。

$$\begin{aligned}(1) \quad & -3x - 5 \leq 3x + 10 \\ & 3x + 11 \leq -4x + 18 \\ & -5/2 \leq x \leq 1\end{aligned}$$

$$\begin{aligned}(2) \quad & -5x + 11 > 4x - 61 \\ & -3x + 12 < -4x + 12 \\ & x < 0\end{aligned}$$

$$\begin{aligned}(3) \quad & -6x + 8 < 2x + 40 \\ & -x + 7 > x + 17 \\ & \text{解なし}\end{aligned}$$

$$\begin{aligned}(4) \quad & -x - 11 \geq -2x - 11 \\ & 4x + 10 > -2x - 32 \\ & x \geq 0\end{aligned}$$

$$\begin{aligned}(5) \quad & -6x + 6 \leq 5x - 5 \\ & 5x - 1 > -5x - 21 \\ & x \geq 1\end{aligned}$$

$$\begin{aligned}(6) \quad & -2x - 7 > 2x + 29 \\ & -6x + 12 \geq -3x + 24 \\ & x < -9\end{aligned}$$

$$\begin{aligned}(7) \quad & -x + 10 < -4x + 13 \\ & -4x + 7 < 3x + 7 \\ & 0 < x < 1\end{aligned}$$

$$\begin{aligned}(8) \quad & -3x + 1 \leq 3x + 19 \\ & -5x + 6 < 3x + 14 \\ & x > -1\end{aligned}$$

$$\begin{aligned}(9) \quad & -2x - 5 < -9 \\ & -5x + 12 < 2x - 44 \\ & x > 8\end{aligned}$$

$$\begin{aligned}(10) \quad & 3x - 1 < -4 \\ & -4x + 7 > x - 3 \\ & x < -1\end{aligned}$$

$$\begin{aligned}(11) \quad & -x + 10 > -3x + 4 \\ & -5x + 5 < 3x - 35 \\ & x > 5\end{aligned}$$

$$\begin{aligned}(12) \quad & 4x - 3 \leq -4x + 5 \\ & -6x + 4 > 4x + 4 \\ & x < 0\end{aligned}$$