

不等式 連立不等式 (12問) 版J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。

$$\begin{aligned}(1) \quad & 5x - 3 < -x - 6 \\ & -4x + 10 \geq 3x - 25 \\ & x < -1/2\end{aligned}$$

$$\begin{aligned}(2) \quad & 5x - 11 > -41 \\ & 6x - 3 > -9 \\ & x > -1\end{aligned}$$

$$\begin{aligned}(3) \quad & -4x - 3 \geq -11 \\ & -3x - 6 \leq x - 10 \\ & 1 \leq x \leq 2\end{aligned}$$

$$\begin{aligned}(4) \quad & 2x + 2 \leq -3x + 32 \\ & -x + 11 < 2x + 17 \\ & -2 < x \leq 6\end{aligned}$$

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

$$\begin{aligned}(6) \quad & -3x + 6 \geq -4x + 9 \\ & -x - 4 \leq 4x - 19 \\ & x \geq 3\end{aligned}$$

$$\begin{aligned}(7) \quad & 5x - 6 \geq -21 \\ & -x + 1 \leq 3x + 17 \\ & x \geq -3\end{aligned}$$

$$\begin{aligned}(8) \quad & 5x - 5 \geq -2x + 44 \\ & -x + 2 \leq -5x + 12 \\ & \text{解なし}\end{aligned}$$

$$\begin{aligned}(9) \quad & 6x + 8 < -5x + 41 \\ & -3x + 3 \geq -4x + 7 \\ & \text{解なし}\end{aligned}$$

$$\begin{aligned}(10) \quad & -3x + 10 \leq 2x - 5 \\ & 6x - 7 \leq -2x + 57 \\ & 3 \leq x \leq 8\end{aligned}$$

$$\begin{aligned}(11) \quad & 6x + 8 > x - 37 \\ & -5x - 11 > -x + 1 \\ & -9 < x < -3\end{aligned}$$

$$\begin{aligned}(12) \quad & -5x + 9 \leq 4 \\ & -6x + 3 \leq -3x + 3 \\ & x \geq 1\end{aligned}$$