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ACHA 3000

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$$\textcircled{2} \text{ (i) } \begin{array}{r} 7x \\ -5x \end{array} - 1 = \begin{array}{r} 5x \\ -5x \end{array} + 4$$

$$\begin{array}{r} 2x - 1 \\ +1 \end{array} = \begin{array}{r} 4 \\ +1 \end{array}$$

$$2x = 5 \quad x = \frac{5}{2} \text{ or } 2.5$$

$$\text{(ii) } \overbrace{10(3x+2)} = \overbrace{7(-2x-1)}$$

$$\begin{array}{r} 30x + 20 \\ +14x \end{array} = \begin{array}{r} -14x - 7 \\ +14x \end{array}$$

$$\begin{array}{r} 44x + 20 \\ -20 \end{array} = \begin{array}{r} -7 \\ -20 \end{array}$$

$$44x = -27$$

$$x = \underline{\underline{-\frac{27}{44}}}$$