

$$\Rightarrow -5x + 13 = 2x + 4$$
$$13 - 4 = 7x$$

$$\Rightarrow \frac{9}{7} = x$$

Como $\frac{9}{7} \notin [-2, 1]$, $C.S_2 = \emptyset$.

Para : $x \in [1, 3)$

$$(x-1) + 4, -(x-3) = 2(x+2)$$

$$\underline{x-1} - \underline{4x+12} = 2x+4$$

$$-3x + 11 = 2x + 4$$

$$11 - 4 = 5x$$

$$\frac{7}{5} = x$$

Como $\frac{7}{5} \in [1, 3)$. ✓

$$C.S_3 : \left\{ x = \frac{7}{5} \right\}$$

Para : $x \in [3, +\infty)$; $(x-1) + 4, (x-3) = 2(x+2)$

$$\Rightarrow x-1 + 4x-12 = 2x+4$$

$$\Rightarrow 5x - 13 = 2x+4$$