

$$A = B$$

$$A = 6x + 12^\circ$$

$$B = 3x + 63^\circ$$

$$6x + 12 = 3x + 63$$

$$6x - 3x = 63 - 12$$

$$3x = 51$$

$$x = 17$$

$$x = 17$$

$$3x + 63 = 12 + 6x$$

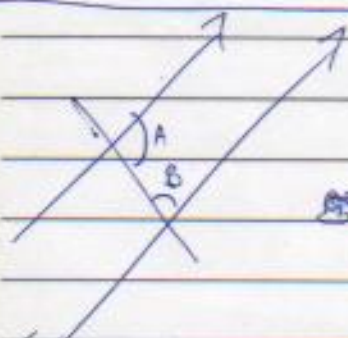
$$63 = 12 + 3x$$

$$3x = 51$$

$$x = 17$$

$$3$$

$$x = 17 //$$



$$A + B = 180$$

$$A = 5x + 20^\circ$$

$$B = 9x - 92^\circ$$

$$5x + 20 + 9x - 92 = 180$$

$$14x = 180 + 92 - 20$$

$$14x = 252$$

$$x = 18$$

$$14$$

$$x = 18 //$$

$$\begin{array}{r} 180 \\ 92 \\ \hline 272 \\ -20 \\ \hline 252 \\ 14 \overline{) 252} \\ 112 \end{array}$$