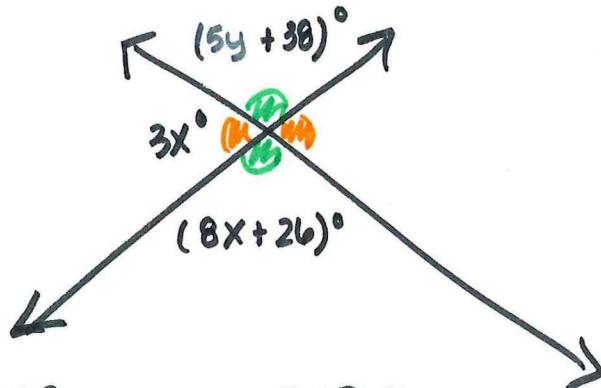


### Example 1



Step 2

\*OR\*

$$\boxed{\textcolor{blue}{A}} + \boxed{\textcolor{red}{B}} = 180$$

$$3(14) + \textcolor{blue}{5y} + 38 = 180$$

$$42 + 5y + 38 = 180$$

$$\begin{array}{r} 5y + 80 = 180 \\ -80 \quad -80 \\ \hline 5y = 100 \end{array}$$

$$\boxed{y = 20}$$

$$\boxed{\textcolor{blue}{A}} = \boxed{\textcolor{red}{B}}$$

$$5y + 38 = 8(14) + 26$$

$$5y + 38 = 112 + 26$$

$$\begin{array}{r} 5y + 138 = 138 \\ -38 \quad -38 \\ \hline 5y = 100 \end{array}$$

$$\boxed{y = 20}$$

VA

$$\boxed{\textcolor{blue}{A}} = \boxed{\textcolor{red}{B}}$$

$$\boxed{\textcolor{blue}{B}} = \boxed{\textcolor{red}{A}}$$

LP

$$\boxed{\textcolor{blue}{A}} + \boxed{\textcolor{red}{B}} = 180^\circ$$

Step 1

$$\boxed{\textcolor{blue}{A}} + \boxed{\textcolor{red}{B}} = 180$$

$$8x + 26 + 3x = 180$$

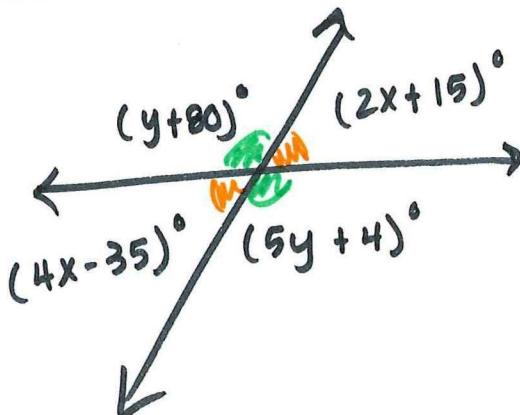
$$11x + 26 = 180$$

$$\begin{array}{r} -26 \quad -26 \\ \hline 11x = 154 \end{array}$$

$$11x = 154$$

$$\boxed{x = 14}$$

### Example 2



$$\boxed{\textcolor{blue}{A}} = \boxed{\textcolor{red}{B}}$$

$$\begin{array}{r} 4x - 35 = 2x + 15 \\ -2x \quad -2x \\ \hline 2x - 35 = 15 \end{array}$$

$$\begin{array}{r} +35 \quad +35 \\ \hline 2x = 50 \end{array}$$

$$\boxed{x = 25}$$

$$\boxed{\textcolor{blue}{A}} = \boxed{\textcolor{red}{B}}$$

$$5y + 4 = y + 80$$

$$\begin{array}{r} -y \quad -y \\ \hline 4y + 4 = 80 \end{array}$$

$$\begin{array}{r} -4 \quad -4 \\ \hline 4y = 76 \end{array}$$

$$\boxed{y = 19}$$