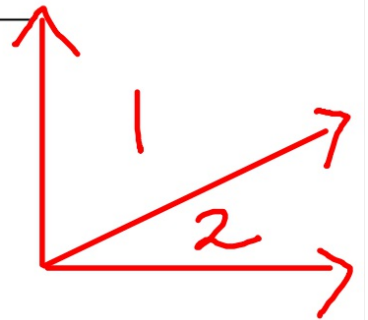


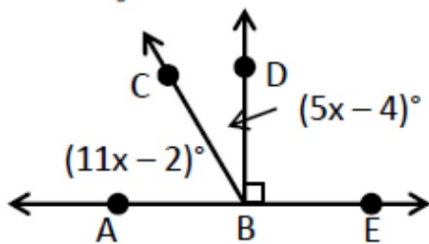
Two or more angles are **Complementary**

if the sum of their measures is 90°

$$\angle 1 + \angle 2 = 90^\circ$$



Example 1: Find $m\angle ABC$ and $m\angle CBD$.



$$\begin{aligned}\angle ABC &= 11(6) - 2 \\ &= 64^\circ\end{aligned}$$

$$\begin{aligned}\angle CBD &= 5(6) - 4 \\ &= 26^\circ\end{aligned}$$

$$\angle ABC + \angle CBD = 90 \quad \text{Complementary}$$

$$11x - 2 + 5x - 4 = 90 \quad \text{Substitution}$$

$$16x - 6 = 90$$

$$\begin{array}{r} 16x - 6 = 90 \\ +6 \quad +6 \\ \hline 16x = 96 \end{array}$$

$$x = 6$$

CLT
Addition
Division
FOE