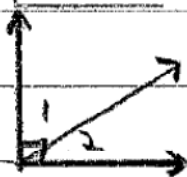


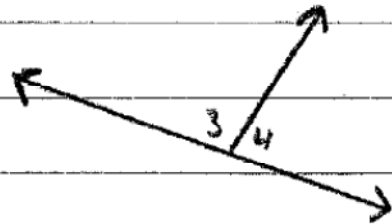
Complementary and Supplementary Angles

Complementary



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

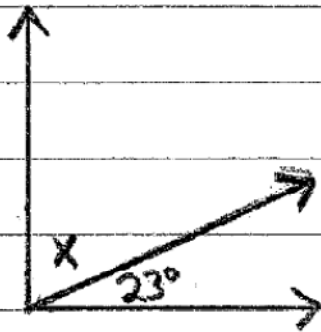
Supplementary



$$m\angle 3 + m\angle 4 = 180^\circ$$

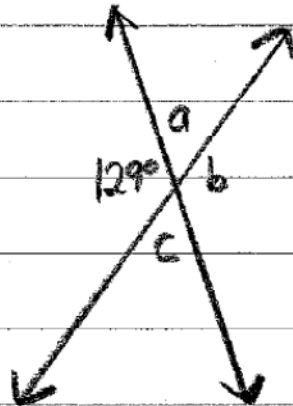
Find the value of the missing angle.

1)



$$\begin{array}{r} X + 23 = 90 \\ -23 \quad -23 \\ \hline \boxed{X = 67^\circ} \end{array}$$

2)



$$\begin{array}{r} a + 129 = 180 \\ -129 \quad -129 \\ \hline \boxed{a = 51^\circ} \end{array}$$

$$c = a$$

$$\boxed{c = 51^\circ}$$

$$\boxed{b = 129^\circ}$$