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Geometry Worksheet: Angle (4)

1. L1, L2 and L3 are 3 straight lines. Angles $A$ and $B$ have sizes of 50 and 70 degrees respectively. Find the size of angle C .


$$
A+C^{\prime}+B=180^{\circ}
$$

$$
\Rightarrow C^{\prime}=180^{\circ}-50^{\circ}-70^{\circ}
$$

$$
=60^{\circ}
$$

$$
C=C^{\prime}=60^{\circ}
$$


2. In the figure below, angles $A$ and $B$ have sizes of 96 and 35 degrees respectively. Find the size of angle $C$.

$$
\begin{aligned}
& A^{\prime}+B^{\prime}+C^{\prime}=180^{\circ} \\
& A^{\prime}=A=96^{\circ} \\
B^{\prime}= & B=35^{\circ} \\
= & C^{\prime}=180^{\circ}-96^{\circ}-35^{\circ} \\
& =49^{\circ} \\
\Rightarrow & C=C^{\prime}=49^{\circ}
\end{aligned}
$$

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