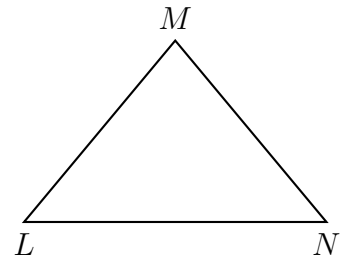


3.5 Classwork: Sum of the angles of a triangle

1. A triangle has two angles measuring 80° and 60° respectively. Find the measure of the third angle.

2. Given $\triangle LMN$ with $m\angle L = 2x + 20$, $m\angle N = 3x + 5$, and $m\angle M = 5x + 5$. Find x .



3. The measures in degrees of the three angles of a triangle are $3x$, $\frac{1}{2}x + 7$, and $5x - 65$. Find x .