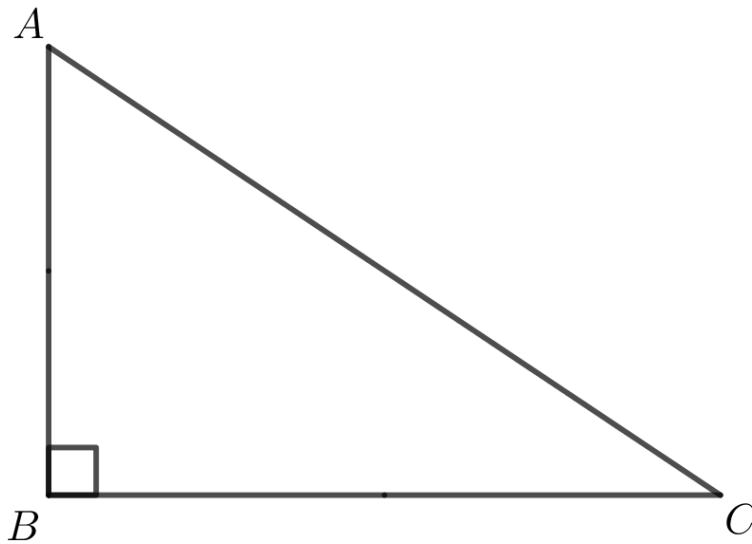# Problem of the Week
Problem E
Medians

In $\triangle ABC$, $\angle ABC = 90°$. A median is drawn from A to side BC, meeting BC at M such that $AM = 5$. A second median is drawn from C to side AB, meeting AB at N such that $CN = 2\sqrt{10}$.

Determine the length of the longest side of $\triangle ABC$.

NOTE: In a triangle, a *median* is a line segment drawn from a vertex of the triangle to the midpoint of the opposite side.