

Problem of the Week Grade 9 and 10

Traversing the Triangle

A median is a line segment drawn from the vertex of a triangle to the midpoint of the opposite side.

A triangle has an area of $72~\mathrm{cm}^2$. The length of one side is $12~\mathrm{cm}$ and the length of the median to this side is 13 cm.

Determine the length of the other two sides of the triangle.

