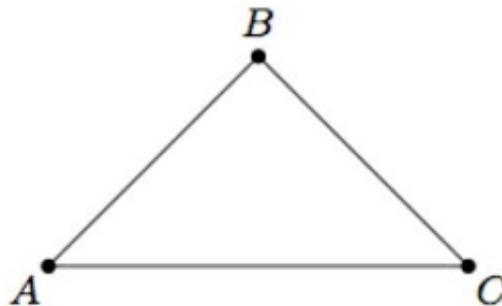


## 8.G Creating Similar Triangles

### Task

In triangle  $ABC$  below,  $\angle B$  is a right angle and  $|AB| = |BC|$ :



Draw a line segment joining one of the vertices of  $\triangle ABC$  to the opposite side so that it divides  $\triangle ABC$  into two triangles which are both similar to  $\triangle ABC$ . Explain, using rigid motions and dilations, why the triangles are similar.

