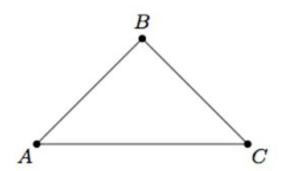


8.G Creating Similar Triangles

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.



8.G Creating Similar Triangles
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