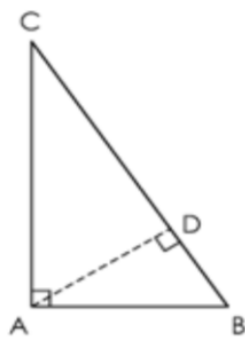
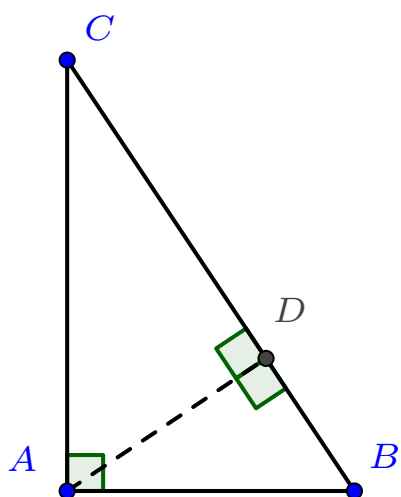


Proofs for Math 2

Proofs.

Problem 1 *Adapted from Ohio's 2017 Geometry released item 17.*



Complete the following proof that $\triangle DAC$ is similar to $\triangle DBA$:

Author(s): Brad Findell

- (a) $\triangle ABC \sim \triangle DBA$ by the AA criterion because they share $\angle B$ and they each have a right angle.
 - (b) $\triangle ABC \sim \triangle DAC$ by the AA criterion because they share $\angle C$ and they each have a right angle.
 - (c) $\triangle DAC \sim \triangle DBA$ because they are both similar to $\triangle ABC$.
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