

Lesson 2.03
Deep Dive: Evidence for Proofs

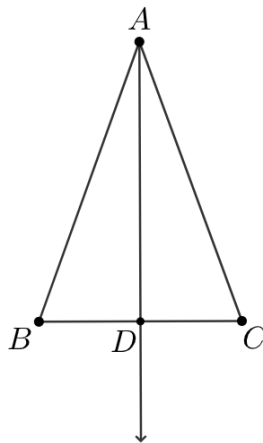
Geometry GT

Theorem

If two segments have the same length, then they are congruent.

Task #1

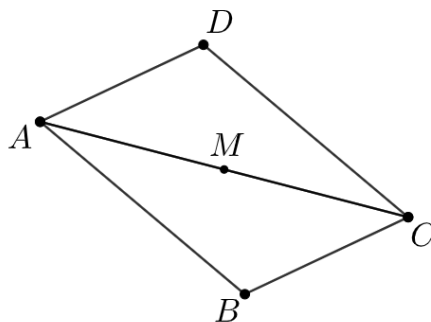
In a triangle, a ray from a vertex is both an angle bisector and a perpendicular bisector.



In the figure, what information must be true? Include an explanation with each piece of information.

Task #2

A triangle is rotated 180° around the midpoint of one of the sides.



In the figure, what information must be true? Include an explanation with each piece of information.