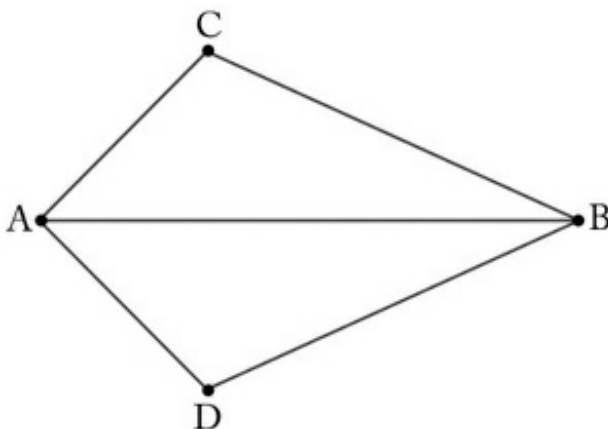


# G-CO Why Does ASA Work?

## Task

In triangles  $ABC$  and  $ABD$  below, we are given that angle  $BAC$  is congruent to angle  $BAD$  and angle  $ABC$  is congruent to angle  $ABD$ . Show that the reflection of the plane about line  $AB$  maps triangle  $ABD$  to triangle  $ABC$ .



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