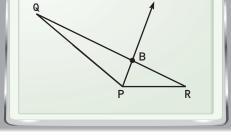


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STEP 3 Compare ratios Move one or more of the triangle's



vertices to change its shape. Compare the ratios from Step 3. Save as "EXPLORE2."

DRAW CONCLUSIONS Use your observations to complete these exercises

- 1. Make a conjecture about the ratios of the lengths of the segments formed when two sides of a triangle are cut by a line parallel to the triangle's third side.
- 2. Make a conjecture about how the ratio of the lengths of two sides of a triangle is related to the ratio of the lengths of the segments formed when an angle bisector is drawn to the third side.

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