
NAME

DATE

PERIOD

Student Task Statements

Lesson 5: Points, Segments, and Zigzags

#2: What's the Segment?

Prove the conjecture: If AB is a segment in the plane and CD is a segment in the plane with the same length as AB , then AB is congruent to CD .

Are you ready for more?

Prove or disprove the following claim: "If EF is a piece of string in the plane, and GH is a piece of string in the plane with the same length as EF , then EF is congruent to GH ."

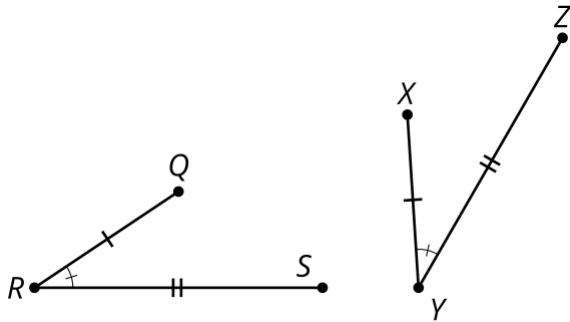
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#3: Zig Then Zag

$$\overline{QR} \cong \overline{XY}, \overline{RS} \cong \overline{YZ}, \angle R \cong \angle Y$$



1. Your teacher will give your team some statements about the 2 zigzags. Put them in order to write a proof about figures QRS and XYZ . Write down your complete proof in the space below.

2. Take turns with your partner stating steps in the proof that figure $ABCD$ is congruent to figure $EFGH$.

