

NAME

QUARTER

GRADE & SECTION

DATE

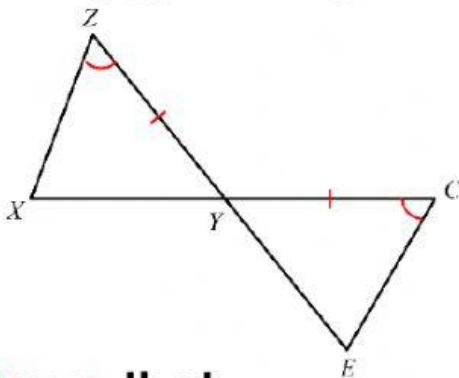
Activity: **Proving Triangles are Congruent (ASA)**

Complete the two-column proof to prove that the triangles are congruent.

Given

$$\angle Z \cong \angle C,$$

$$\text{and } \overline{ZY} \cong \overline{CY}$$

**Prove that**

$$\triangle ZYX \cong \triangle CYE$$

| Statement | Reason |
|---|--------------------------|
| $\angle Z \cong \angle C$ | (1) <input type="text"/> |
| (2) <input type="text"/> | Given |
| (3) $\angle XYZ \cong$ <input type="text"/> | (4) <input type="text"/> |
| $\triangle ZYX \cong \triangle CYE$ | (5) <input type="text"/> |

How well did you do?



Need help!



Just OK!



Splendid

I THINK...

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LIVEWORKSHEETS