

Name _____

Date _____

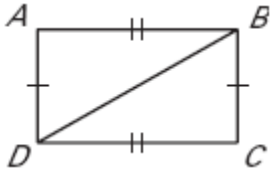
LESSON 4.3

Practice B

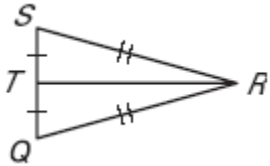
For use with pages 233–239

Decide whether the congruence statement is true. *Explain* your reasoning.

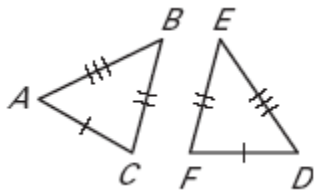
1. $\triangle ABD \cong \triangle CDB$



2. $\triangle RST \cong \triangle RQT$



3. $\triangle ABC \cong \triangle DFE$



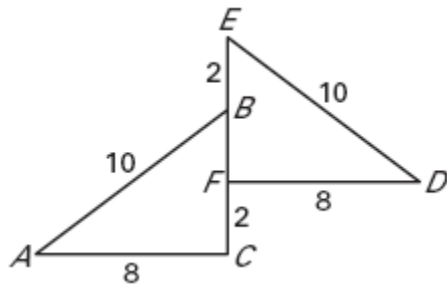
Use the given coordinates to determine if $\triangle ABC \cong \triangle DEF$.

4. $A(1, 2), B(4, -3), C(2, 5), D(4, 7), E(7, 2), F(5, 10)$

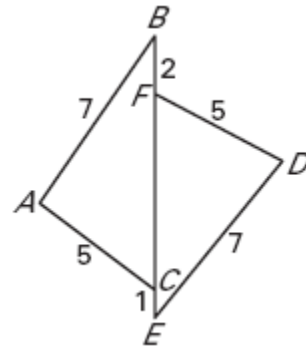
5. $A(1, 1), B(4, 0), C(7, 5), D(4, -5), E(6, -6), F(9, -1)$

Determine whether $\triangle ABC \cong \triangle DEF$. Explain your reasoning.

6.



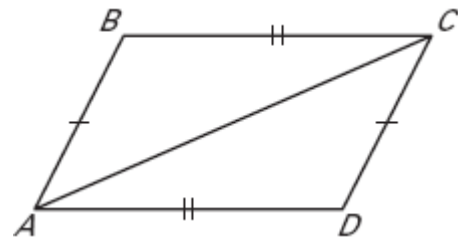
7.



8. **Proof** Complete the proof.

GIVEN: $\overline{AB} \cong \overline{CD}$, $\overline{BC} \cong \overline{AD}$

PROVE: $\triangle ABC \cong \triangle CDA$



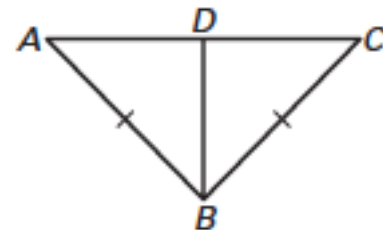
Statements

Reason

9. **Proof** Complete the proof.

GIVEN: $\overline{AB} \cong \overline{CB}$, D is the midpoint of \overline{AC} .

PROVE: $\triangle ABD \cong \triangle CBD$



Statements

Reason