

Name \_\_\_\_\_

Date \_\_\_\_\_

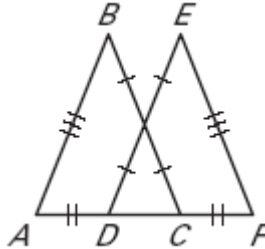
LESSON 4.3

**Practice C**

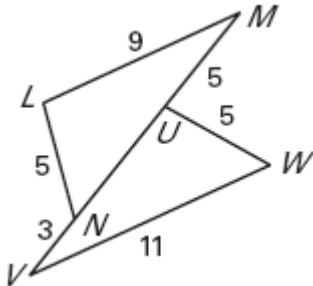
For use with pages 233–239

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

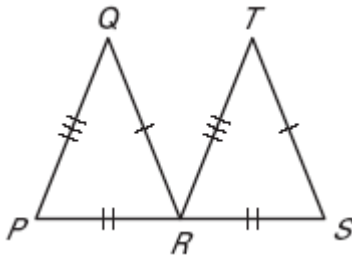
1.  $\triangle ABC \cong \triangle FED$



2.  $\triangle LMN \cong \triangle UVW$



3.  $\triangle PQR \cong \triangle TSR$



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

4.  $A(1, 3), B(4, 1), C(5, 3), D(3, -3), E(6, -5), F(7, -3)$

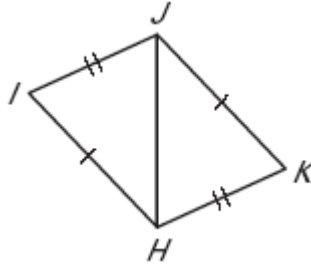
5.  $A(1, -1), B(-2, 2), C(-3, -4), D(3, 2), E(6, -1), F(7, 5)$

6. **Proof** Complete the proof.

**GIVEN:**  $\overline{HI} \cong \overline{JK}$ ,

$\overline{IJ} \cong \overline{KH}$

**PROVE:**  $\triangle HIJ \cong \triangle JKH$



**Statements**

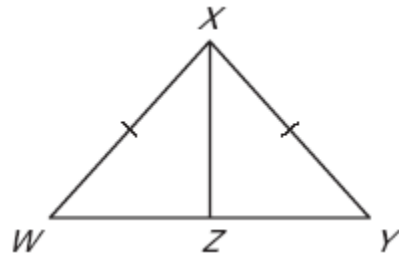
**Reason**

7. **Proof** Complete the proof.

**GIVEN:**  $\overline{WX} \cong \overline{YX}$ ,

Z is the midpoint of  $\overline{WY}$ .

**PROVE:**  $\triangle WXZ \cong \triangle YXZ$



**Statements**

**Reason**