

**Assignment 16 Quiz Lesson 2.6 thru 2.7**

For use after the lessons "Prove Statements about Segments and Angles" and "Prove Angle Pair Relationships"

**In Exercises 1-3, match the statement with the property that it illustrates.**

1. If  $\angle 1 \cong \angle 2$  and  $\angle 2 \cong \angle 3$ , then  $\angle 1 \cong \angle 3$ .

2. If  $\angle ABC \cong \angle DEF$ , then  $\angle DEF \cong \angle ABC$ .

3.  $\angle HJK \cong \angle HJK$

A. Reflexive Property of Congruence

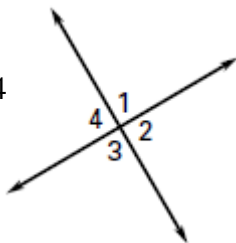
B. Symmetric Property of Congruence

C. Transitive Property of Congruence

**In Exercises 4-11, complete the proof.**

**GIVEN:**  $\angle 1 \cong \angle 2$

**PROVE:**  $\angle 3 \cong \angle 4$



**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

Statements	Reasons
4. $\angle 1 \cong \angle 2$	5. _____
6. $\angle 3 \cong \angle 1, \angle 2 \cong \angle 4$	7. _____
8. $\angle 1 \cong \angle 4$	9. _____
10. $\angle 3 \cong \angle 4$	11. _____