	Name LESSON 2.6 Practice A For use with pages 112–119		Date	
			If you turn this in on time: do the odds. If you turn this in late or you are doing it over: do the evens.	
Student score: How well do you feel you understand this learning			m∠C B	Teacher Score:
target: A B C D	1. <i>i</i> 2. <i>i</i>	$m \angle A = m \angle B, m \angle B = m \angle C$ $m \angle A = m \angle C$ $?$	Reasons 1. Given 2?	
F	2. GIVEN: $DE = EF, EF = DF$ PROVE: $\overline{DF} \cong \overline{DE}$			
LESSON 2.6	1. 4. 3. GI	tements DE = EF, EF = DF ? DF = DE ? VEN: $\angle 1$ and $\angle 2$ are a linear p	Reasons 1?_ 2. Transitive Property of Equality 3?_ 4. Definition of congruent segments pair. 1_2 Reasons 1. Given 1. Given 2. The angles in a linear pair are supplementary angles. 3?	a uivision or roughton within company.
	<u>Sta</u> 1.	OVE: $m \angle 1 = 180^\circ - m \angle 2$ tements $\frac{?}{?}$	Reasons Image: Second	Jirt © Dy INICDOUGAI LITUEII,
	3	$m/1 + m/2 = 180^{\circ}$	supplementary angles.	соруп

4. Subtraction Property of Equality

3. _?__

4. _?__

3. $m \angle 1 + m \angle 2 = 180^{\circ}$

Name _

	Practice	Α	continued
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Use the property to complete the statement.

- **4.** Reflexive Property of Congruence: $\underline{?} \cong \angle 4$
- **5.** Symmetric Property of Congruence: If $\underline{?} \cong \underline{?}$, then $\overline{CD} \cong \overline{DX}$.

In Exercises 6–9, name the property illustrated by the statement.

- **6.** If $\angle 1 \cong \angle 2$ and $\angle 2 \cong \angle 4$, then $\angle 1 \cong \angle 4$. **7.** $\overline{XY} \cong \overline{XY}$
- **8.** If $\angle CDE \cong \angle RST$, then $\angle RST \cong \angle CDE$. **9.** If $\overline{AB} \cong \overline{BC}$, then $\overline{BC} \cong \overline{AB}$.
- **10.** Sketch a diagram that represents the following information.

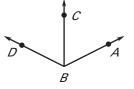
 $\angle ABC$ and $\angle CBD$ are adjacent angles. $\angle ABD$ and $\angle DBE$ are a linear pair.

11. Use the given information and the diagram to prove the statement.

GIVEN: $2m \angle ABC = m \angle ABD$

PROVE: $\angle ABC \cong \angle CBD$

Statements



Date

12. Bicycle Tour You take part in a three day bicycle tour. On the first day, you ride 95 miles. On the third (final) day, you also ride 95 miles. Use the following steps to prove that the distance you ride in the first two days is equal to the distance that you ride in the last two days.

Reasons

- **a.** Draw a diagram for the situation by using a line segment to represent the total distance of the three days and dividing the line segment into three parts that represent the daily distances.
- **b.** State what is given and what is to be proved.
- **c.** Write a two-column proof.

LESSON 2.6