

## 2.6 Geometric Proofs 1

For each statement and its logical conclusion, tell which definition, postulate, or theorem gives the justification.

1. *Given:*  $\overline{AM} \cong \overline{WU}$   
*Conclusion:*  $AM = WU$

Why: \_\_\_\_\_

2. *Given:*  $E$  is the midpoint of  $\overline{BD}$   
*Conclusion:*  $\overline{BE} \cong \overline{ED}$

Why: \_\_\_\_\_

3. *Given:*  $A$  bisects  $\overline{CT}$   
*Conclusion:*  $\overline{CA} \cong \overline{AT}$

Why: \_\_\_\_\_

4. *Given:*  $CO = OL$   
*Conclusion:*  $\overline{CO} \cong \overline{OL}$

Why: \_\_\_\_\_

Make a conclusion based on the given information, then write the justification.

5. *Given:* \_\_\_\_\_

Conclusion:

Justification:

6. *Given:*  $\overline{FA} \cong \overline{RM}$

Conclusion:

Justification: