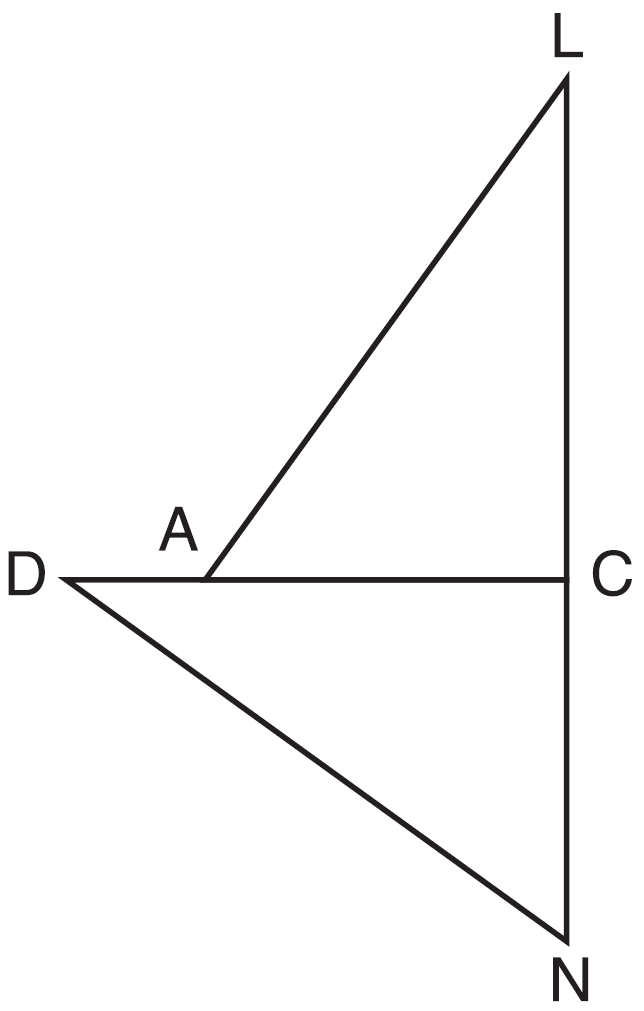
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**TASK CARD #1: TRIANGLE CONGRUENCE**

In the diagram of  and  below, , , and .



a) Prove that .

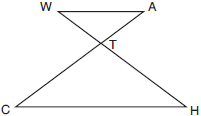
b) Describe a sequence of rigid motions that will map  onto :

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**TASK CARD #2: TRIANGLE SIMILARITY**

In the accompanying diagram, ** and  and ** intersect at point *T*.

**

Prove that:

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

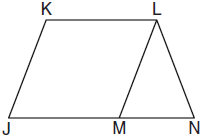
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**TASK CARD #3: QUADRILATERAL PROOF**

Given: *JKLM* is a parallelogram.







Prove: *JKLM* is a rhombus.

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**TASK CARD #4: CIRCLE PROOF**

Given: Chords  and  of circle *O* intersect at *E*, an interior point of circle *O*; chords  and  are drawn.



Prove: 