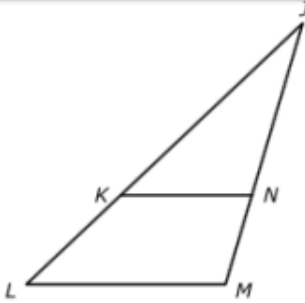Name: _____   Date: _____

In the figure shown, $\overline{KN}$ is parallel to $\overline{LM}$.

PART A

When comparing KJN and LJM, Tara states that $\angle KJN$ and $\angle LJM$ are congruent. Explain why Tara's statement is correct.

Enter your explanation in the space provided.

PART B

Tara wants to prove that a second pair of corresponding angles from KJN and LJM are congruent. Determine a second pair of corresponding angles from KJN and LJM that are congruent. Then explain how you know that the two angles are congruent.

Enter your answer and your explanation in the space provided.

ANSWER KEY

Rubric Part A	
Score	**Description**
1	Student response includes the following element. • Reasoning component = 1 point ○ Correctly reasons why $\angle KJN$ and $\angle LJM$ are both congruent Sample Student Response: $\angle KJN$ is congruent to $\angle LJM$ because they are the same angle since they exactly overlap.
0	Student response is incorrect or irrelevant.
Rubric Part B	
Score	**Description**

2	Student response includes the following element.
	
	• Reasoning component = 2 points
	    ○ Correct pair of corresponding congruent angles, $\angle JKN$ and $\angle JLM$ or $\angle JNK$ and $\angle JML$
	    ○ Correctly reasons why the given pair of angles is congruent
	
	Sample Student Response:
	$\angle JKN$ is congruent to $\angle JLM$
	OR
	$\angle JNK$ is congruent to $\angle JML$
	
	Either line segment JK or line segment MN is a transversal to the parallel line segments KN and LM. When two parallel lines are intersected by a transversal, corresponding angles formed by the transversal are congruent. The pair of angles is also corresponding in terms of their locations in KJN and LJM

1	Student response includes 1 of the 2 elements.
0	Student response is incorrect or irrelevant.

Glow	Grow