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

Mr. Li

Objectives: SWBAT descibe a translation in a plane. SWBAT name coordinates for old and new vertices.

*x-axis*

*y-axis*

*x-axis*

*y-axis*

**-1**

**-2**

**-3**

**-4**

**-5**

**-6**

**-7**

**-8**

**-9**

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**-1**

**-2**

**-3**

**-4**

**-5**

**-6**

**-7**

**-8**

**-9**

****

**-9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9**

**-9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9**

1) 2)

*x-axis*

*x-axis*

*y-axis*

*y-axis*

**-1**

**-2**

**-3**

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**-1**

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**-7**

**-8**

**-9**

**-9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9**

**-9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9**

**K**

**L**

**J**

**A**

**C**

**D**

**B**

**D’**

**C’**

**B’**

**A’**

**J’**

**L’**

**K’**

Description of translation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Description of translation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A: \_\_\_\_\_\_\_ A’: \_\_\_\_\_\_\_ J: \_\_\_\_\_\_\_ J’: \_\_\_\_\_\_\_

B: \_\_\_\_\_\_\_ B’: \_\_\_\_\_\_\_ K: \_\_\_\_\_\_\_ K’: \_\_\_\_\_\_\_

C: \_\_\_\_\_\_\_ C’: \_\_\_\_\_\_\_ L: \_\_\_\_\_\_\_ L’: \_\_\_\_\_\_\_

D: \_\_\_\_\_\_\_ D’: \_\_\_\_\_\_\_

3) 4)

Description of translation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Description of translation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**I**

**H**

**G**

**F**

**I’**

**F’**

**H’**

**G’**

F: \_\_\_\_\_\_\_ F’: \_\_\_\_\_\_\_ X: \_\_\_\_\_\_\_ X’: \_\_\_\_\_\_\_

G: \_\_\_\_\_\_\_ G’: \_\_\_\_\_\_\_ Y: \_\_\_\_\_\_\_ Y’: \_\_\_\_\_\_\_

H: \_\_\_\_\_\_\_ H’: \_\_\_\_\_\_\_ Z: \_\_\_\_\_\_\_ Z’: \_\_\_\_\_\_\_

**Z’**

**X’**

**Y’**

**Z**

**X**

**Y**

I: \_\_\_\_\_\_\_ I’: \_\_\_\_\_\_\_

1. 6)

*y-axis*

**-9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9**

**-1**

**-2**

**-3**

**-4**

**-5**

**-6**

**-7**

**-8**

**-9**

****

*x-axis*

*y-axis*

**-9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9**

**-1**

**-2**

**-3**

**-4**

**-5**

**-6**

**-7**

**-8**

**-9**

****

*y-axis*

*x-axis*

*y-axis*

**-9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9**

**-1**

**-2**

**-3**

**-4**

**-5**

**-6**

**-7**

**-8**

**-9**

****

**-9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9**

**-1**

**-2**

**-3**

**-4**

**-5**

**-6**

**-7**

**-8**

**-9**

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Description of translation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Description of translation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A: \_\_\_\_\_\_\_ A’: \_\_\_\_\_\_\_ J: \_\_\_\_\_\_\_ J’: \_\_\_\_\_\_\_

B: \_\_\_\_\_\_\_ B’: \_\_\_\_\_\_\_ K: \_\_\_\_\_\_\_ K’: \_\_\_\_\_\_\_

C: \_\_\_\_\_\_\_ C’: \_\_\_\_\_\_\_ L: \_\_\_\_\_\_\_ L’: \_\_\_\_\_\_\_

D: \_\_\_\_\_\_\_ D’: \_\_\_\_\_\_\_

7) 8)

**Z’**

**H’**

**G’**

**F’**

**I’**

**I**

**H**

**G**

**F**

**L**

**J**

**K**

Description of translation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Description of translation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

F: \_\_\_\_\_\_\_ F’: \_\_\_\_\_\_\_ X: \_\_\_\_\_\_\_ X’: \_\_\_\_\_\_\_

G: \_\_\_\_\_\_\_ G’: \_\_\_\_\_\_\_ Y: \_\_\_\_\_\_\_ Y’: \_\_\_\_\_\_\_

H: \_\_\_\_\_\_\_ H’: \_\_\_\_\_\_\_ Z: \_\_\_\_\_\_\_ Z’: \_\_\_\_\_\_\_

I: \_\_\_\_\_\_\_ I’: \_\_\_\_\_\_\_

**X’**

**Y’**

**Z**

**Y**

**X**

*x-axis*

*x-axis*

**L’**

**J’**

**K’**

**D’**

**C’**

**B’**

**A’**

**D**

**C**

**B**

**A**