

Translations Practice

NAME _____

Pre-image and corresponding images are given for particular translations. Describe the slide in words and then create the rule using mathematical symbols.

	Describe in WORDS	RULE
1. $(3, 4) \rightarrow (4, 4)$		
2. $(-2, 0) \rightarrow (-2, 4)$		
3. $(3, 0) \rightarrow (2, 3)$		
4. $(2, -4) \rightarrow (5, -4)$		
5. $(3, 6) \rightarrow (5, 3)$		
6. $(1, -2) \rightarrow (0, -4)$		
7. $(-1, -4) \rightarrow (0, 0)$		
8. $(5, 6) \rightarrow (3, 8)$		
9. $(1, 2) \rightarrow (4, 2)$		
10. $(9, 4) \rightarrow (1, 5)$		

A pre-image point is given and a rule is given for a particular translation. Identify the image point.

11. (5, 2) under a translation that moves the figure 3 units left and 2 units up.

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12. (5, 2) under a translation that moves the figure 5 units right and 2 units down.

(,)

13. (5, 2) under the rule $(x + 6, y + -1)$.

(,)

14. (9, -2) under the rule: $(x, y + 4)$.

(,)

15. (-3, -6) under the rule: $(x + -2, y)$

(,)

Make your own translation!!!

Make up a pre-image point and an image point that could be a translation. Create the rule for this translation.

Pre-Image

(,)

Image

(,)

Rule

(,)