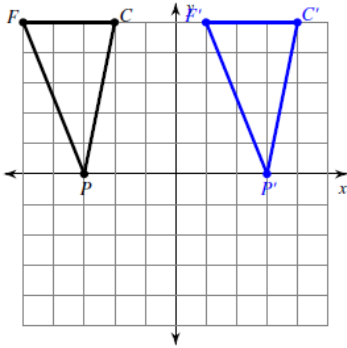Name _____ Period _____

Translation Rules

#1-6 Describe in words and write a rule for the transformation that has occurred.
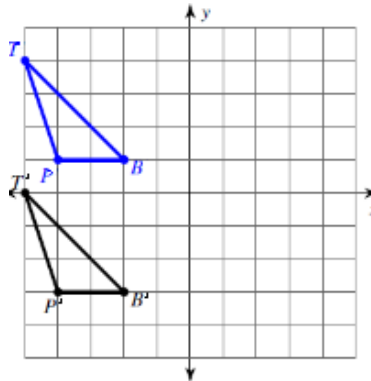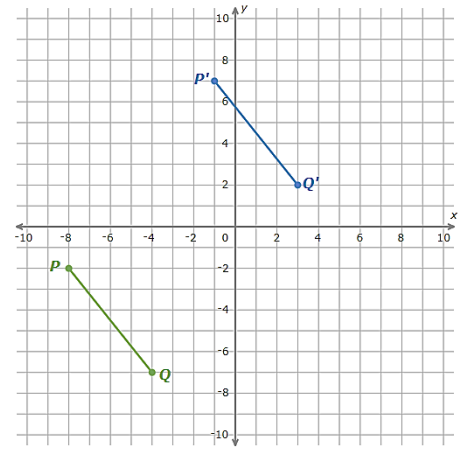
1.

Words:

Rule:

2.

Words:

Rule:

3.

Words:

Rule:

4.

Pre-image	Image
(4, 7)	(-4, 7)
(1, -5)	(-7, -5)
(-2, 1)	(-10, 1)

Words:

Rule:

5.

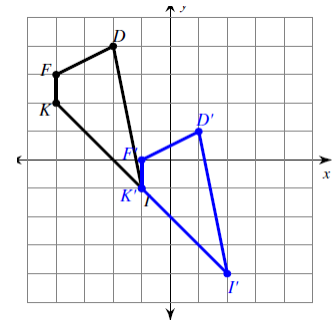| Pre-image	Image
(4, 7)	(9, -2)
(1, -5)	(6, -14)
(-2, 1)	(3, -8)

Words:

Rule:

6.

Words:

Rule:

#7- 12 Descibe in words the translation that is being preformed?

7. $(x + 4 \ , y)$

8. $(x \ , y - 2)$

9. $(x - 7 \ , y)$

10. $(x \ , y + 1)$

11. $(x - 3 \ , y + 7)$

12. $(x + 5 \ , y - 9)$

#13- 18 Write the rule for the translation.

13. right 5 and up 3

14. right 3 and down 1

15. down 2

16. left 6

17. left 1 and up 8

18. down 5 and left 4