

## Function Notation and Transformations Worksheet

- Fill in Domain or Range of the following function transformation.
- Name the type of transformation

1)  $f(x, y) = (x - 3, y + 7)$

Domain	Range
(3, 1)	
(-2, 4)	
(-3, 6)	

2)  $f(x, y) = (x + 7, y - 12)$

Domain	Range
	(10, 6)
	(5, -10)
	(13, 18)

3)  $f(x, y) = (x, -y)$

Domain	Range
(15, 12)	
(6, 10)	
(5, 6)	

4)  $f(x, y) = (-x, -y)$

Domain	Range
	(6, -5)
	(-3, -2)
	(-6, 8)

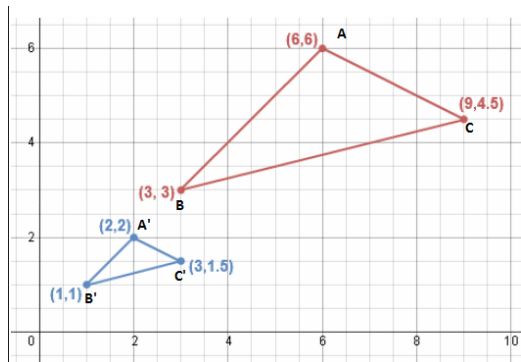
5)  $f(x, y) = (3x, 3y)$

Domain	Range
(-2, 1)	
(6, -5)	
(-3, 2)	

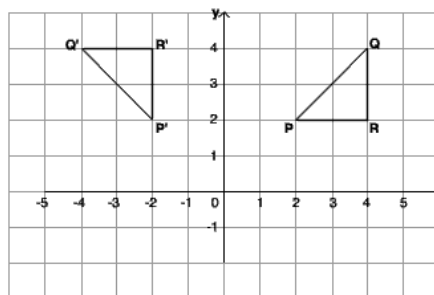
6)  $f(x, y) = (\frac{1}{2}x, \frac{1}{2}y)$

Domain	Range
	(12, -6)
	(10, 2)
	(0, 8)

7 & 8 Find the domain and range, then state the type of transformation.



Domain	Range



Domain	Range