Name: _____ Date: _____

Observations

Transformation			Rule
Reflection across the *y*-axis	(*x*, *y*)	→	(,)
Reflection across the *x*-axis	(*x*, *y*)	→	(,)
Reflection across the line *y* = *x*	(*x*, *y*)	→	(,)
Translation given by $\mathbf{v} = (a, b)$	(*x*, *y*)	→	(,)
90° counterclockwise rotation about the origin	(*x*, *y*)	→	(,)
90° clockwise rotation about the origin	(*x*, *y*)	→	(,)
180° rotation about the origin	(*x*, *y*)	→	(,)