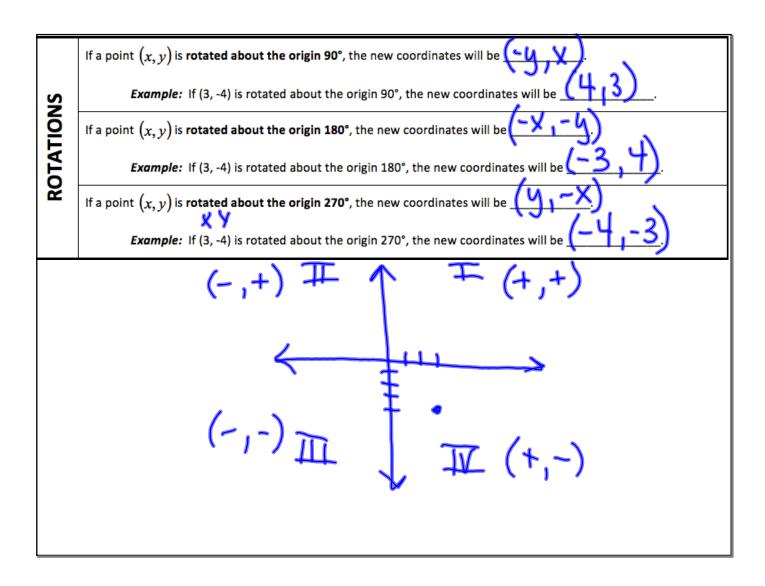
	RULES OF TRANSFORMATIONS
REFLECTIONS	If a point (x, y) is reflected over the y – axis, the new coordinates will be (x, y) .
	Example: If $(3, -4)$ is reflected over the y-axis, the new coordinates will be $\frac{3 - 4}{2}$.
	If a point (x, y) is reflected over the x – axis , the new coordinates will be (x, y) .
	Example: If (3, -4) is reflected over the x-axis, the new coordinates will be
	If a point (x, y) is reflected over the line $y = x$, the new coordinates will be
	Example: If $(3, -4)$ is reflected over the line $y = x$, the new coordinates will be
	If a point (x, y) is reflected over the line $y = -x$, the new coordinates will be
	Example: If (3, -4) is reflected over the line $y = -x$, the new coordinates will be





If a point (x, y) is **dilated about the origin by a scale factor of** k, the new coordinates will be (kx, ky). **Example:** If (3, -4) is dilated about the origin by a scale factor of 2, the new coordinates will be

TRANSFORMATION	PRESERVES ORIENTATION	PRESERVES LENGTH	PRESERVES ANGLE MEASURES	PRESERVES SLOPE
Reflection		V	/	
Rotation	/	/	V	
Dilation			V	/

