**Transformations**

Monday, December 2

An **isometry** is a transformation that does not change the shape or size of a figure.

“pre-image” is the original

**4.2 Reflection**- a transformation that moves a figure (the preimage) by flipping it across a line. The reflected figure is called the image

Across the x-axis: (x,y) to (x, -y) \* y changes signs

Across the y-axis: (x,y) to (-x, y) \* x changes signs

Across the line y = x: (x,y) to (y, x) \* flip x & y

Across the line y = -x: (x,y) to (-y, -x) \* flip x & y and change signs