

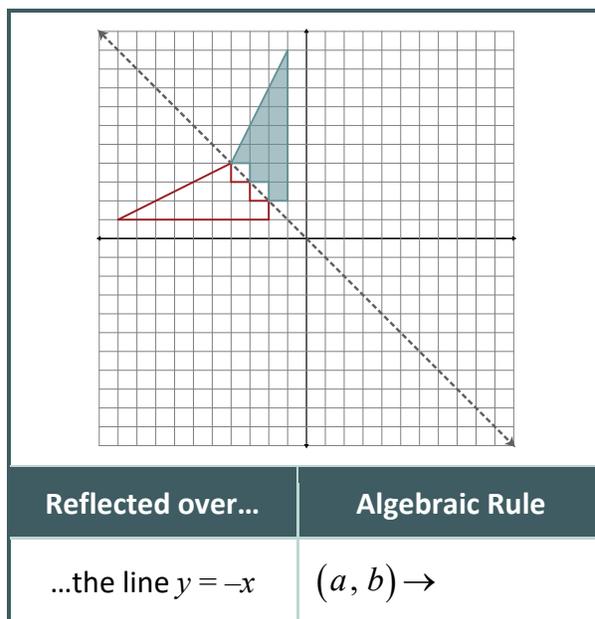
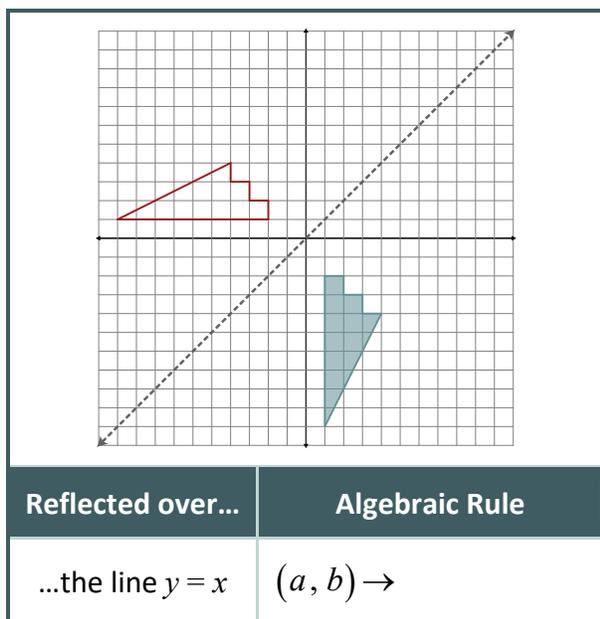
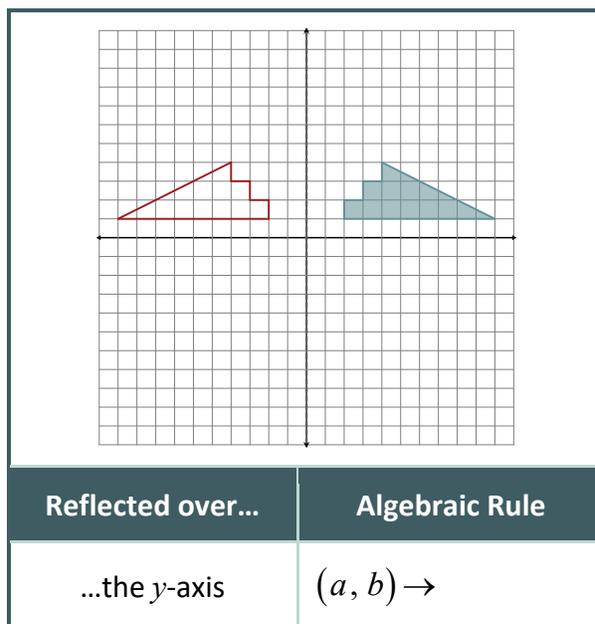
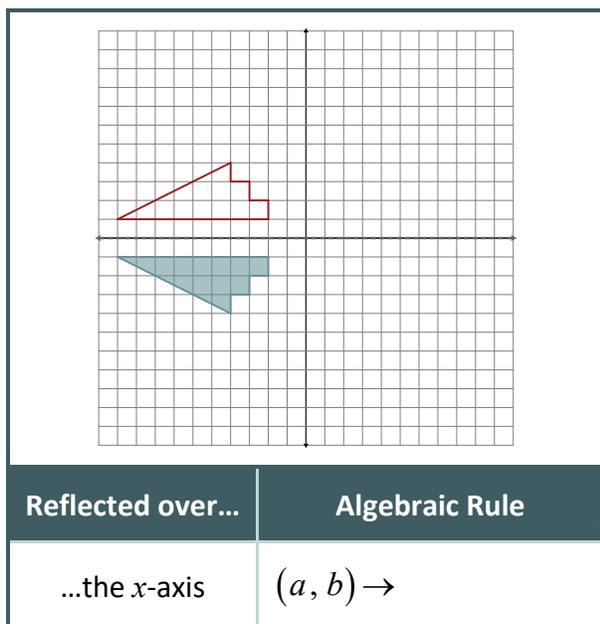
REFLECTIONS: GUIDED NOTES

Vocabulary

- _____: a type of transformation that uses a *reflection line* like a mirror to create a mirror image; the figure is **flipped** over the *reflection line*

Is a reflection an example of rigid motion?

Special Reflections: Algebraic Rules



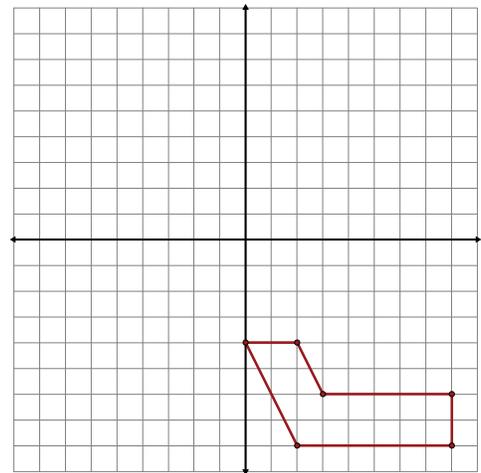
Applying Algebraic Rules

1) Draw the image and complete the table below for the unshaded preimage.

Graph	Verbal Description	Algebraic Rule
	<p>The preimage is reflected over the line $y = -x$.</p>	

Other Reflections

2) What if we reflect an image over a different line?
Reflect the following preimage over the line $y = -2$.



3) What if the preimage was not on the coordinate plane? How would we construct the image? Construct the image given the following preimage and line of reflection.

