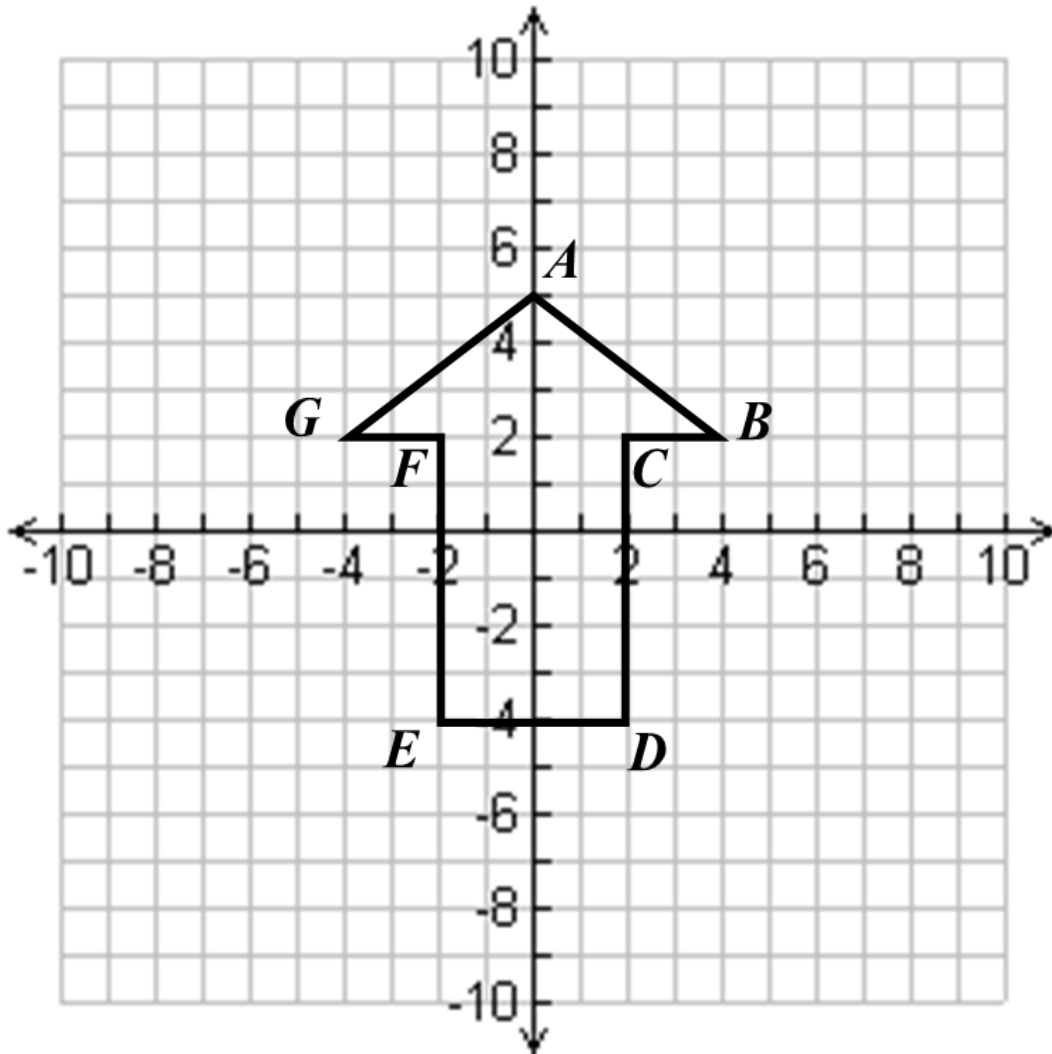


Name: _____ Date: _____ Period: _____

The arrow undergoes a dilation with a scale factor of $\frac{1}{2}$.
 The center of dilation is the origin.

1. Complete the table to find the vertices of the image
2. Draw the image and label the vertices

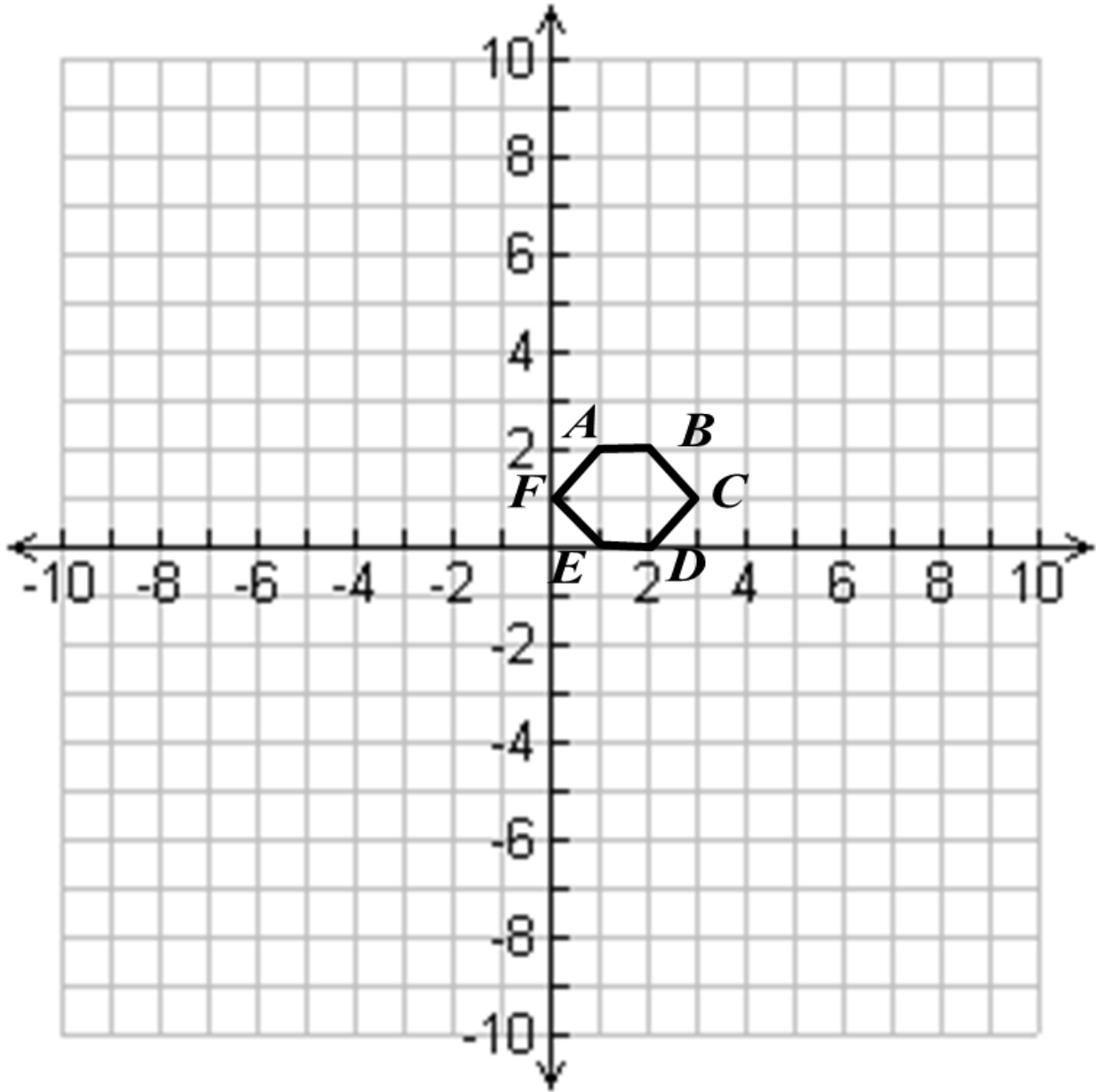


Preimage (x,y)		Image ($\frac{1}{2}x, \frac{1}{2}y$)	
A		A'	
B		B'	
C		C'	
D		D'	
E		E'	
F		F'	
G		G'	

The figure undergoes a dilation with a scale factor of 3.

The center of dilation is the origin.

1. Complete the table to find the vertices of the image
2. Draw the image and label the vertices



Preimage (x,y)		Image (3x,3y)	
<i>A</i>		<i>A'</i>	
<i>B</i>		<i>B'</i>	
<i>C</i>		<i>C'</i>	
<i>D</i>		<i>D'</i>	
<i>E</i>		<i>E'</i>	
<i>F</i>		<i>F'</i>	