

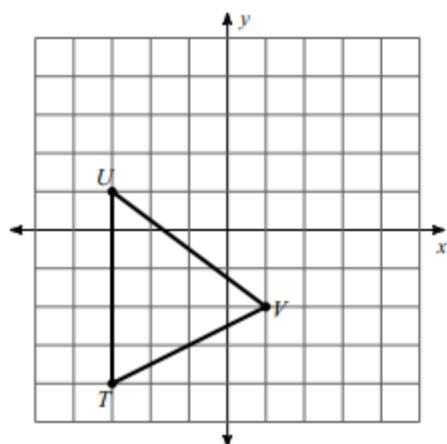
Name the Transformation – [Translation, Reflection, Rotation, Dilation] or NONE

If it's a Reflection, Draw the line of reflection. If a Dilation, state factor.

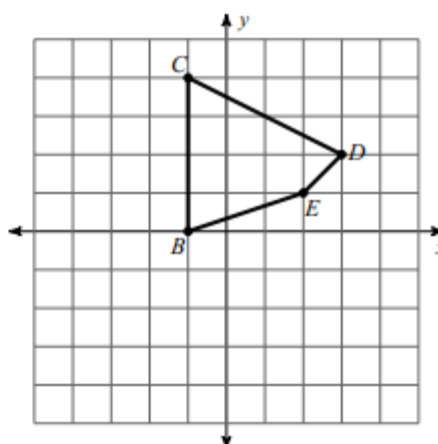
<p>1)</p>	<p>2)</p>	<p>3)</p>
<p>4)</p>	<p>5)</p>	<p>6)</p>
<p>7)</p>	<p>8)</p>	<p>9)</p>

Graph the image of the figure using the transformation given.

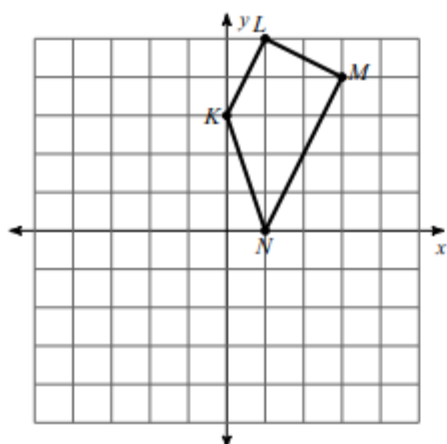
1) reflection across  $x = -2$



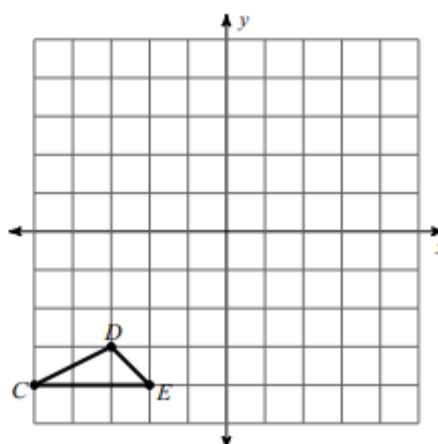
2) rotation  $90^\circ$  counterclockwise about the origin



3) reflection across  $y = 1$

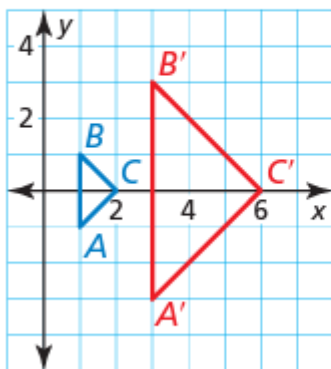


4) translation: 5 units right and 4 units up

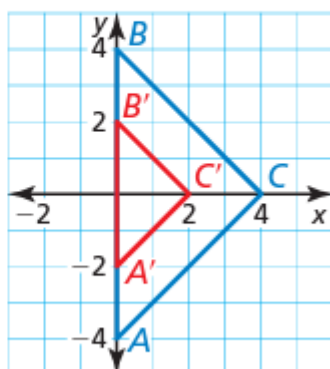


In Exercises 19 and 20, write a coordinate rule for the dilation.

19.



20.

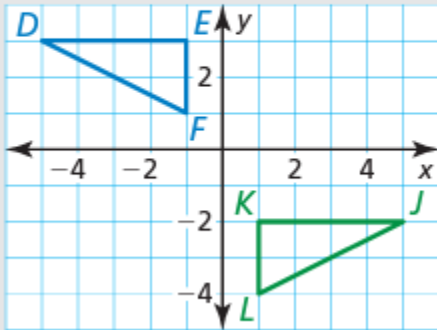


Below do all the following:

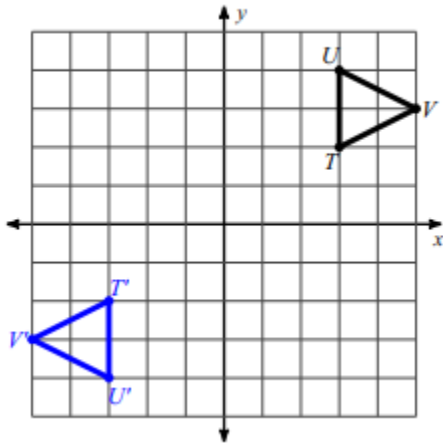
- 1) State the Transformation
- 2) If Translation state, the transformation rule as a Vector
- 3) If Reflection draw the line of reflection label it with it's equation
- 4) If Rotation state, the angle/direction of rotation.
- 5) Dilation state, the scale factor.

1)

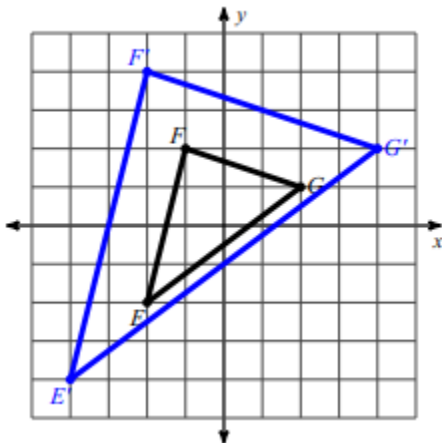
Describe a congruence transformation that maps the blue preimage to the green image.



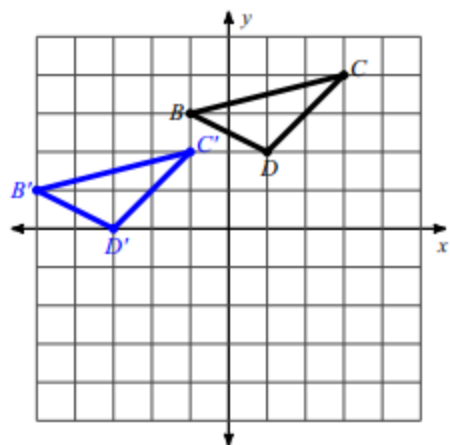
20)



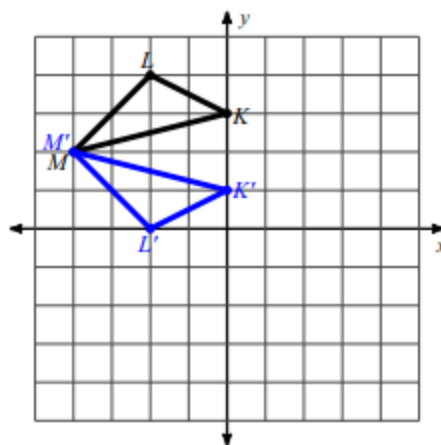
23)



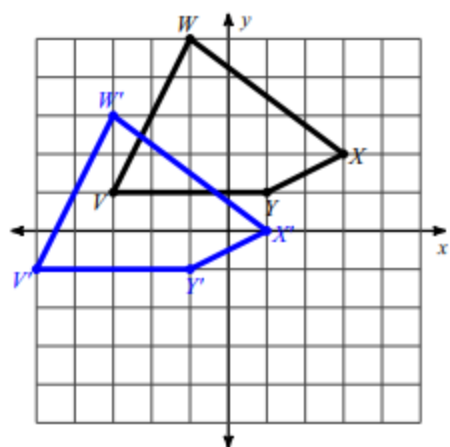
15)



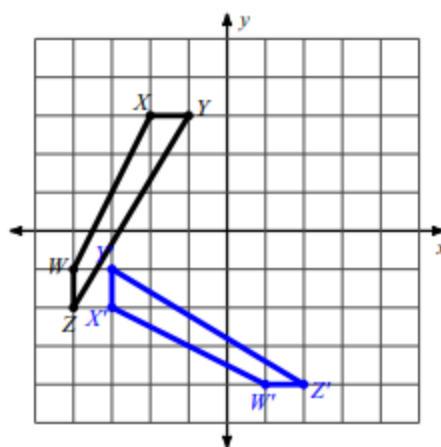
16)



17)



18)



8)

