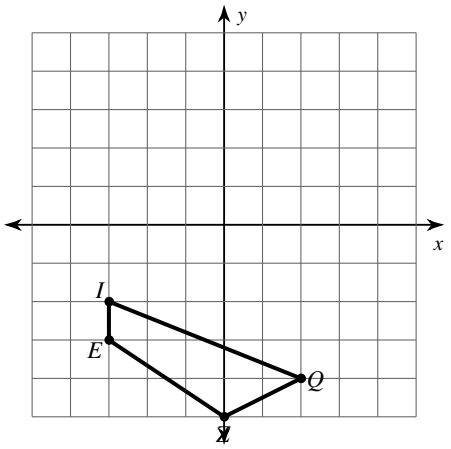
Kuta Software - Infinite Geometry Name_____

# Reflections

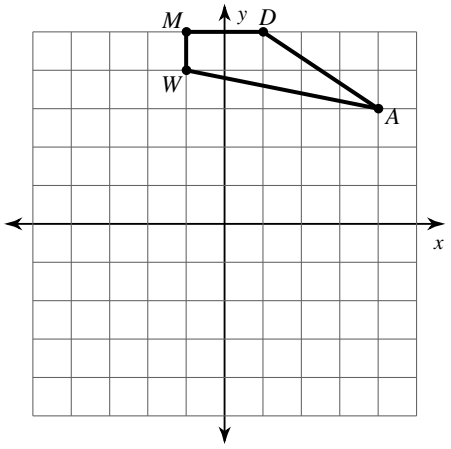
Date_____ Period____

**Graph the image of the figure using the transformation given.**

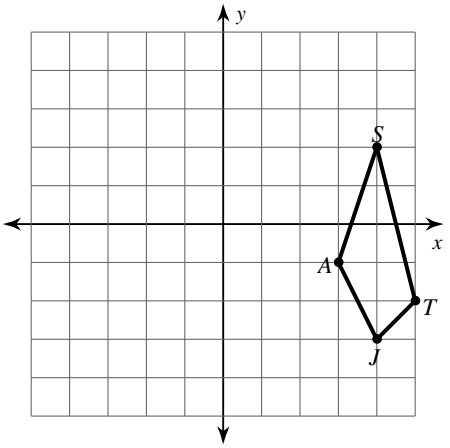
1) reflection across $y = -2$



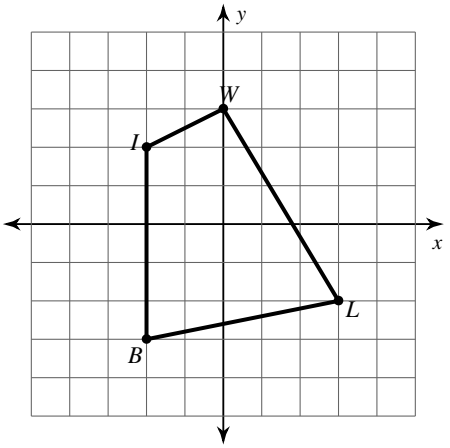

2) reflection across the x-axis



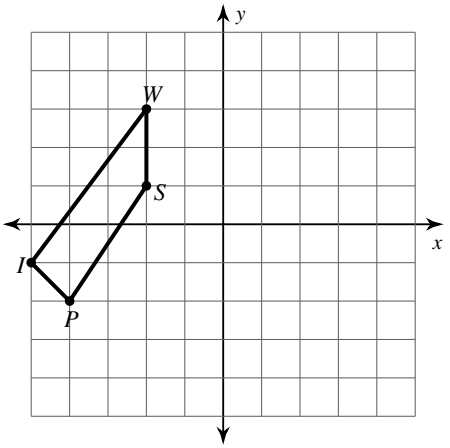

3) reflection across $y = -x$



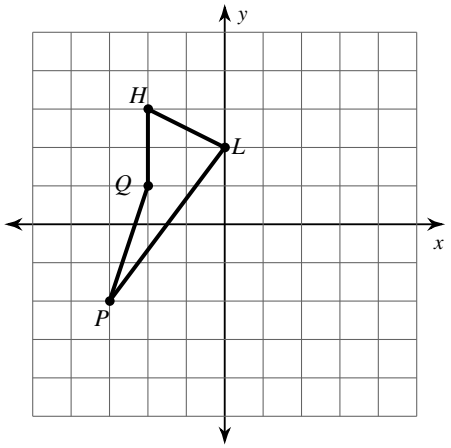

4) reflection across $y = -1$




5) reflection across $x = -3$

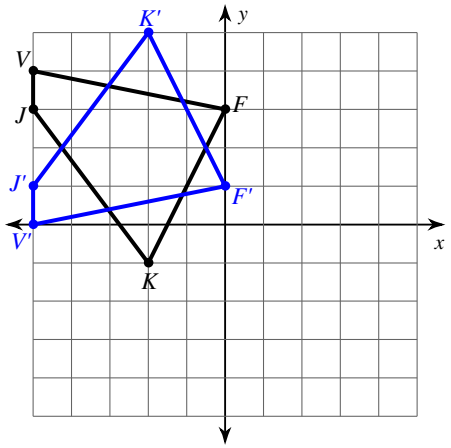



6) reflection across $y = x$

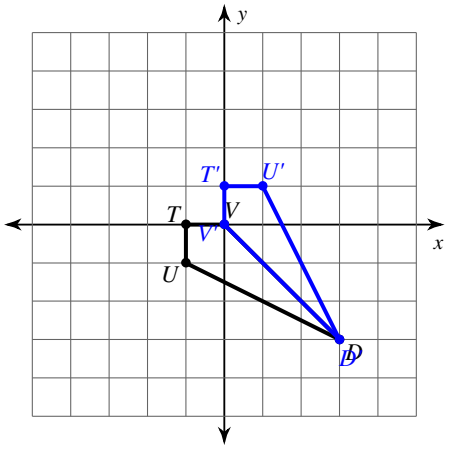


**Write a rule to describe each transformation.**

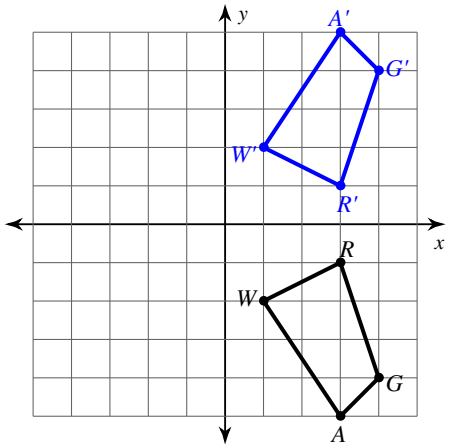
7)



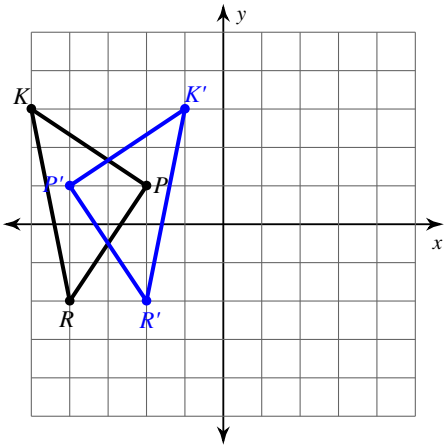

8)



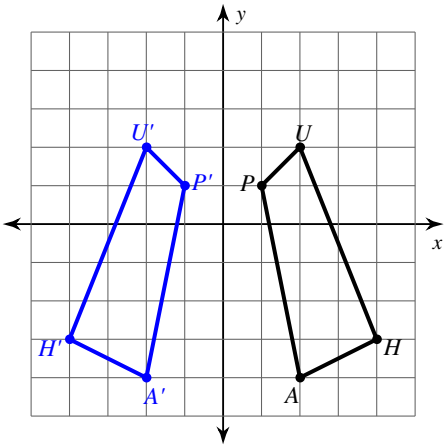

9)



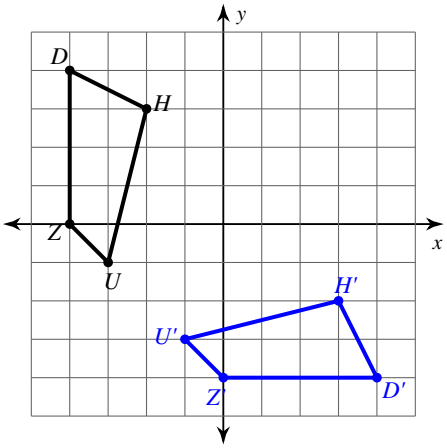

10)




11)




12)



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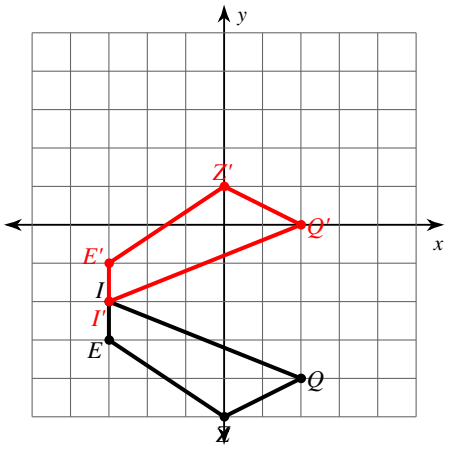
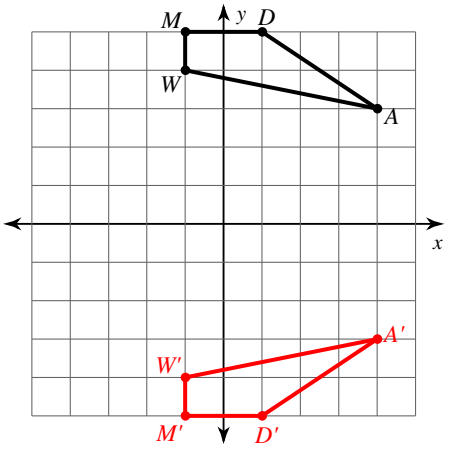



2) reflection across the x-axis

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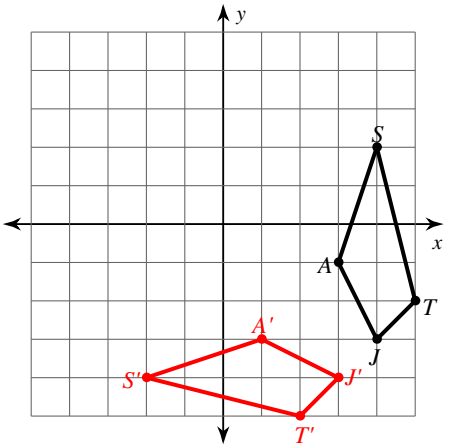


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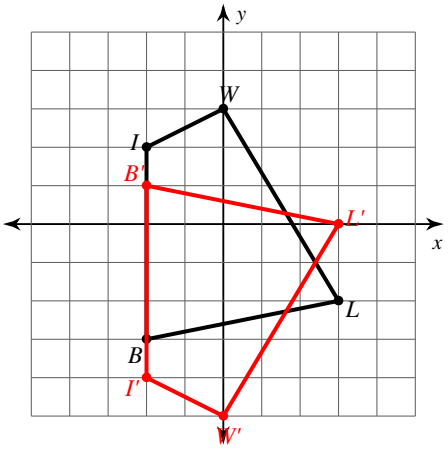


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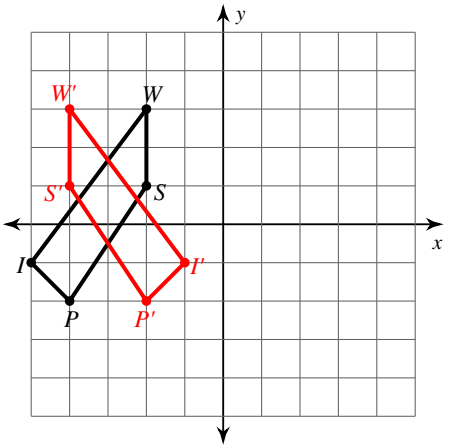


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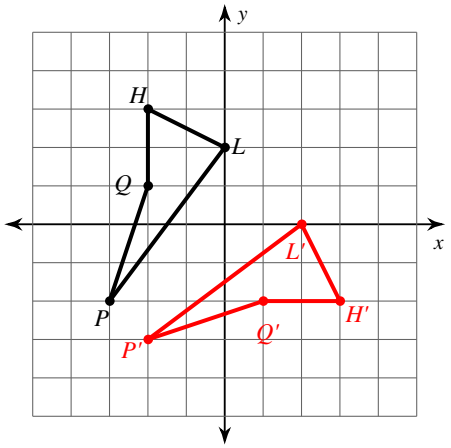

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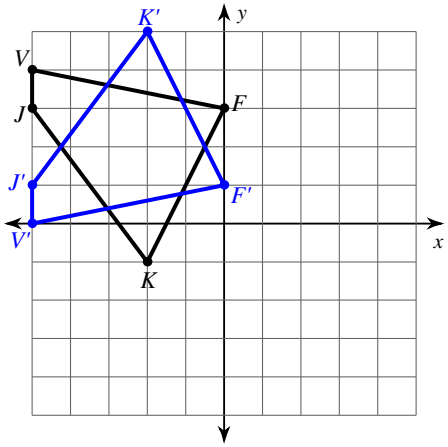
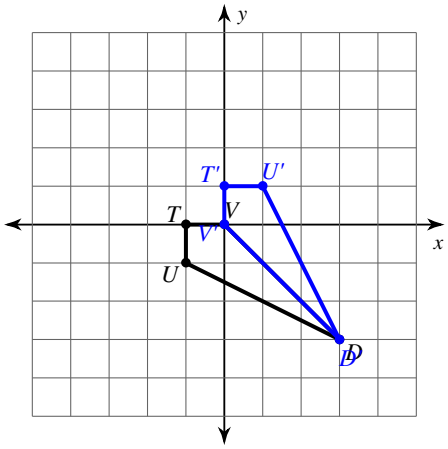


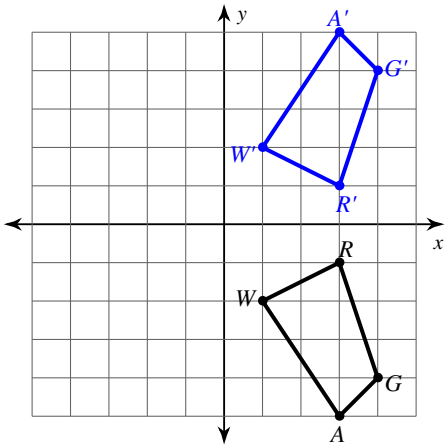

reflection across $y = 2$

8)



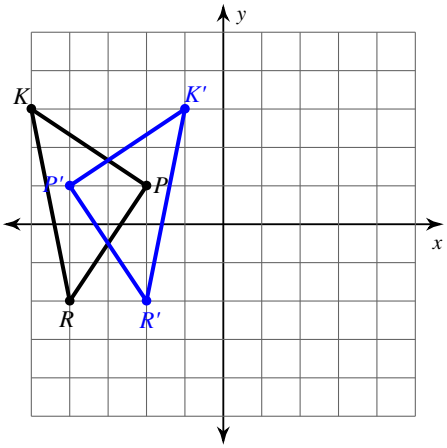

reflection across $y = -x$

9)




reflection across the x-axis

10)




reflection across $x = -3$

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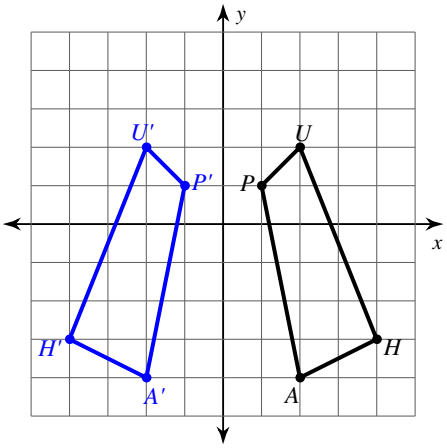


reflection across the y-axis

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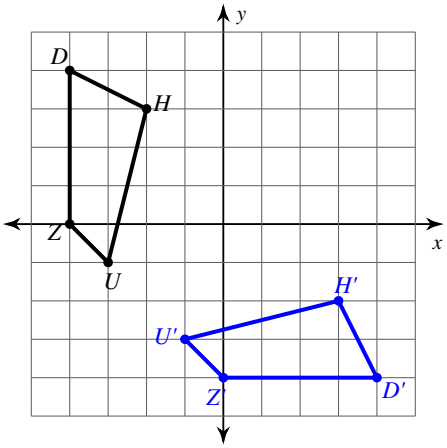


reflection across $y = x$