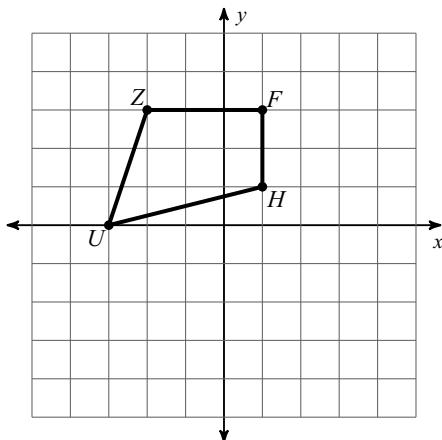


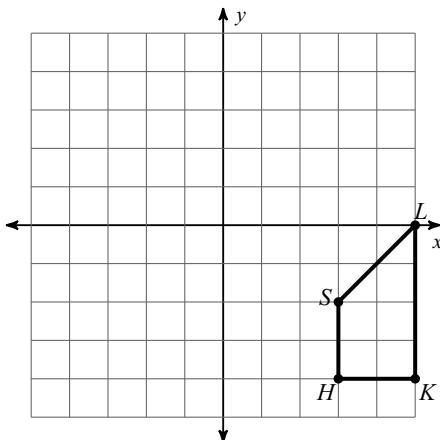
TRANSLATIONS, REFLECTIONS & ROTATIONS

Graph the image of the figure using the transformation given.

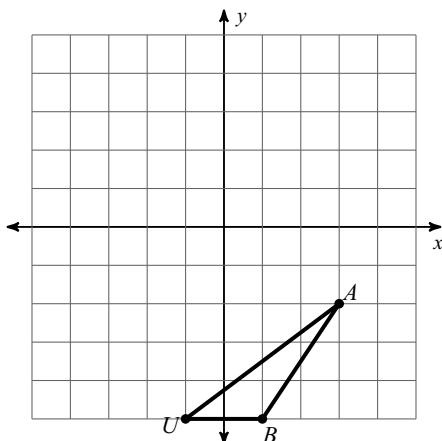
1) translation: $(x, y) \rightarrow (x + 2, y + 1)$



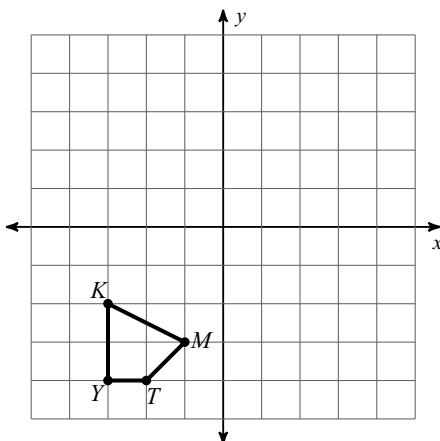
2) translation: $(x, y) \rightarrow (x - 2, y + 3)$



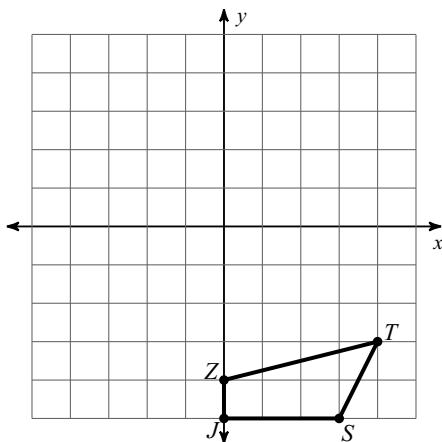
3) translation: $(x, y) \rightarrow (x + 2, y)$



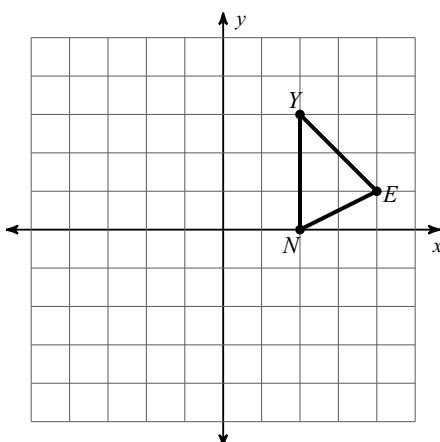
4) translation: $(x, y) \rightarrow (x + 1, y + 5)$



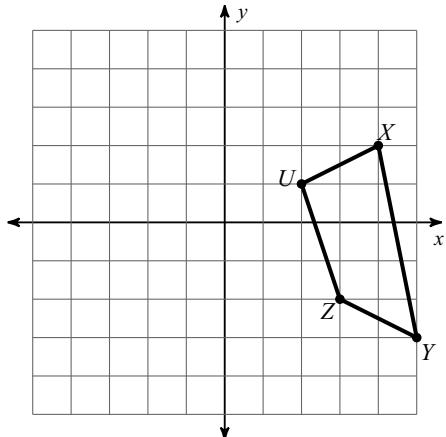
5) rotation 90° clockwise about the origin



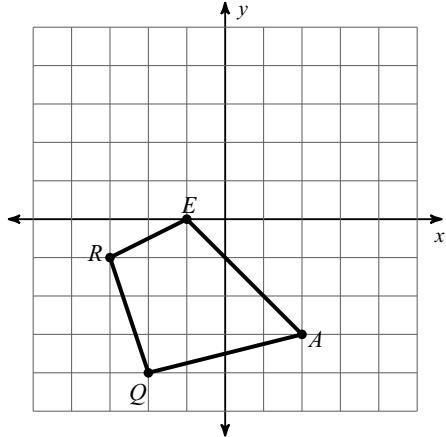
6) translation: $(x, y) \rightarrow (x - 1, y - 2)$



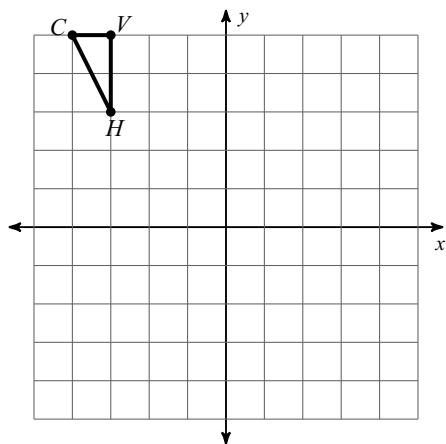
7) translation: $(x, y) \rightarrow (x - 7, y + 3)$



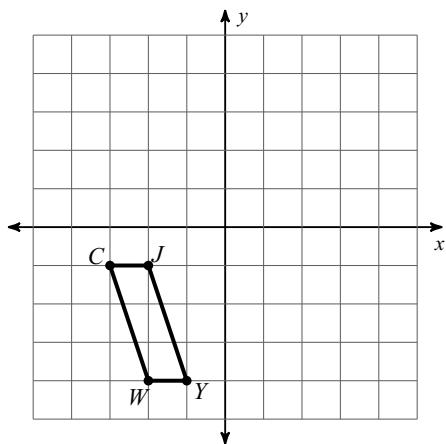
8) rotation 180° about the origin



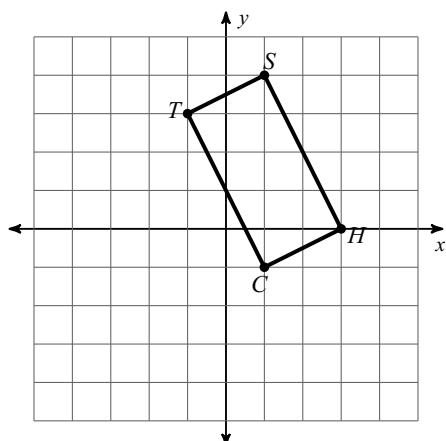
9) reflection across $x = -3$



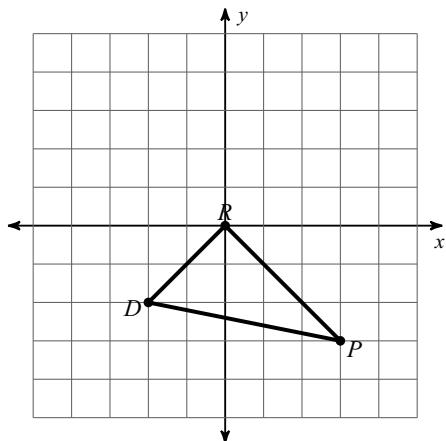
10) translation: $(x, y) \rightarrow (x + 2, y)$



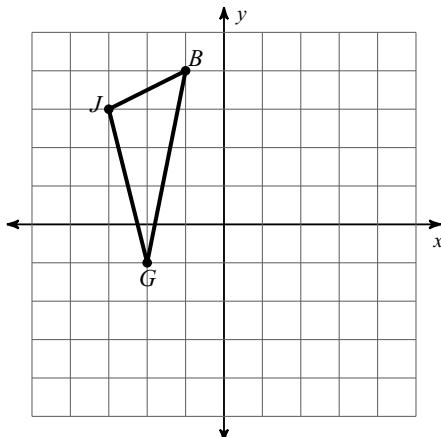
11) translation: $(x, y) \rightarrow (x, y - 1)$



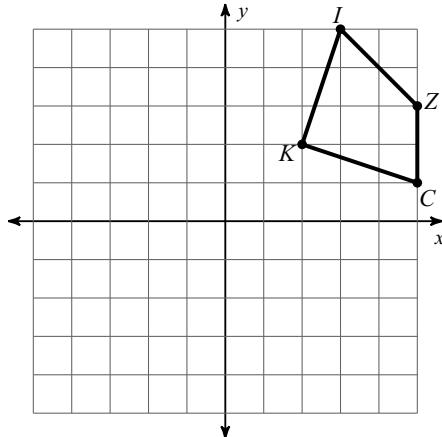
12) rotation 180° about the origin



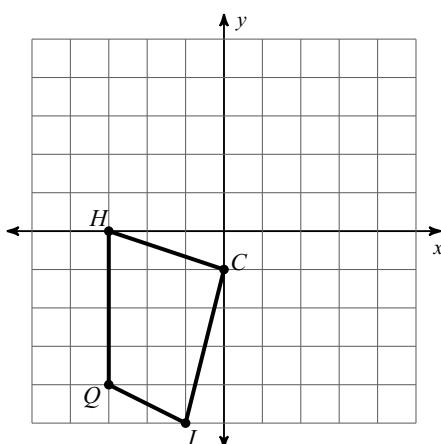
13) translation: $(x, y) \rightarrow (x + 5, y - 4)$



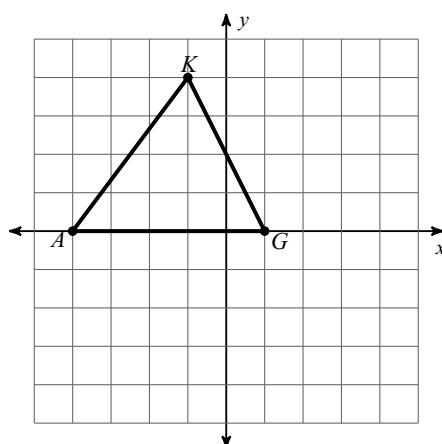
14) rotation 180° about the origin



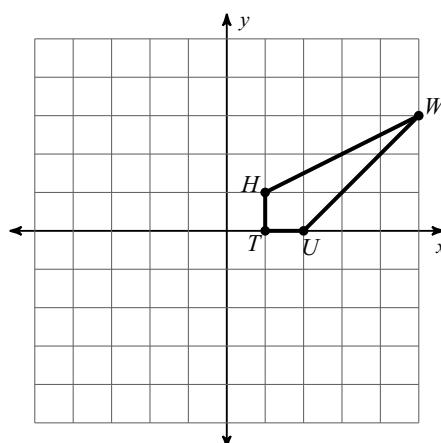
15) translation: $(x, y) \rightarrow (x + 2, y + 2)$



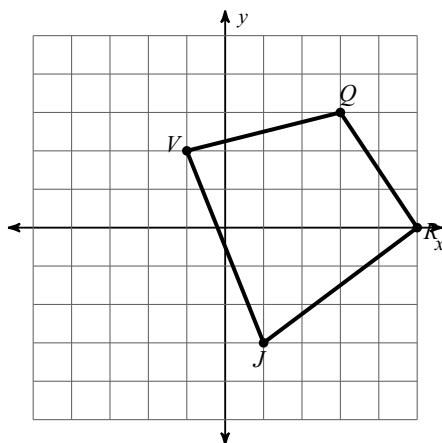
16) translation: $(x, y) \rightarrow (x - 1, y - 2)$



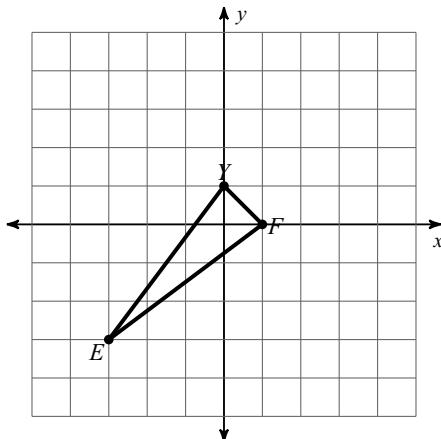
17) translation: $(x, y) \rightarrow (x - 6, y)$



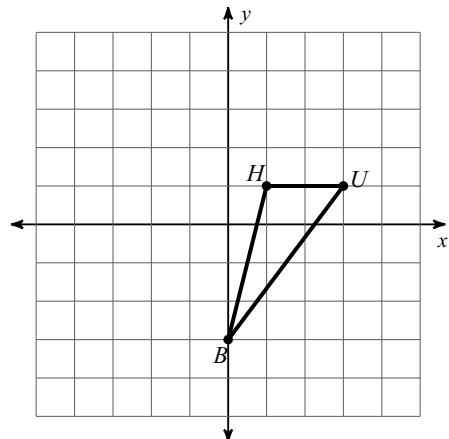
18) reflection across the x-axis



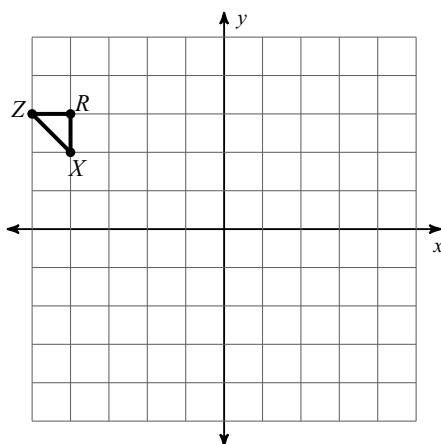
19) translation: $(x, y) \rightarrow (x + 4, y + 1)$



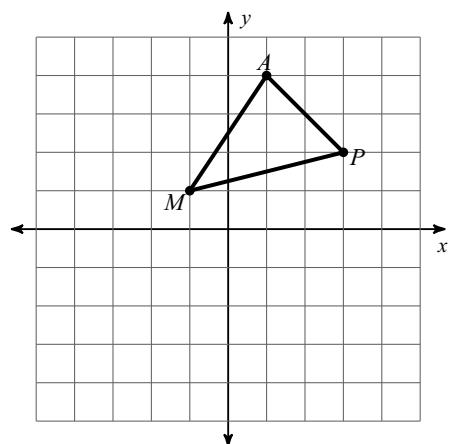
20) translation: $(x, y) \rightarrow (x - 1, y)$



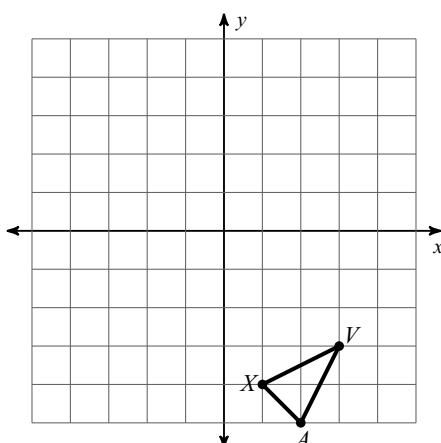
21) reflection across $y = 2$



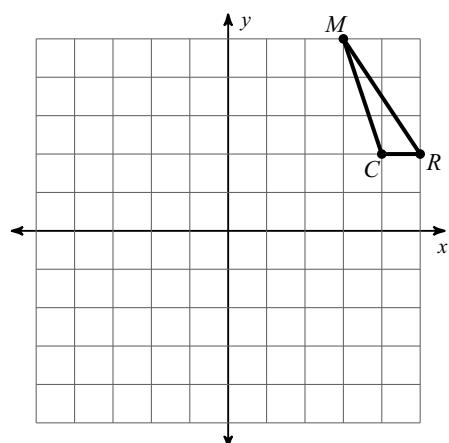
22) reflection across $y = -x$



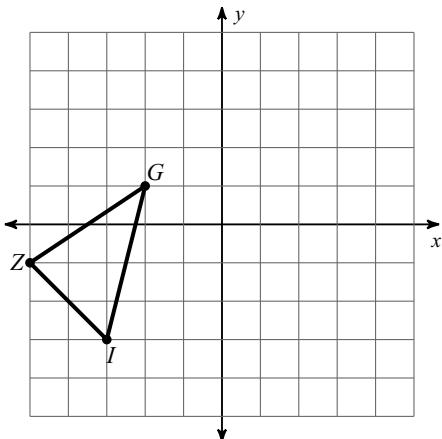
23) reflection across $x = 2$



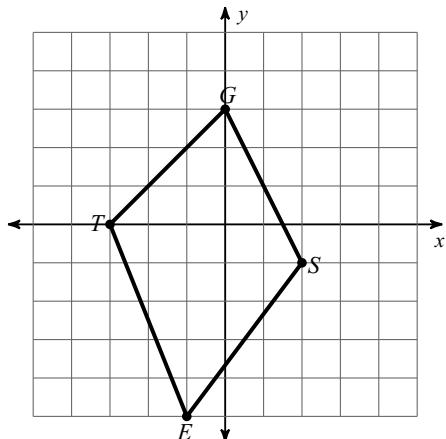
24) reflection across $y = 1$



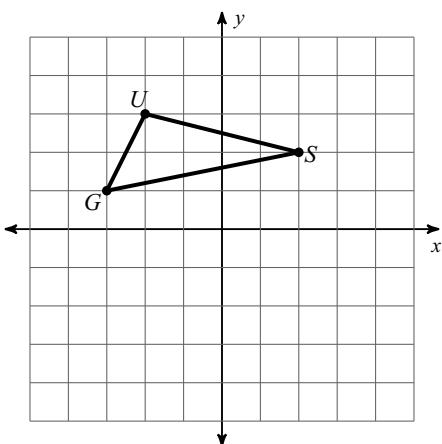
25) reflection across $y = -x$



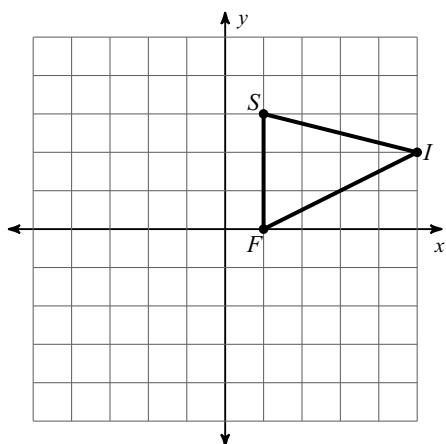
26) reflection across $y = -x$



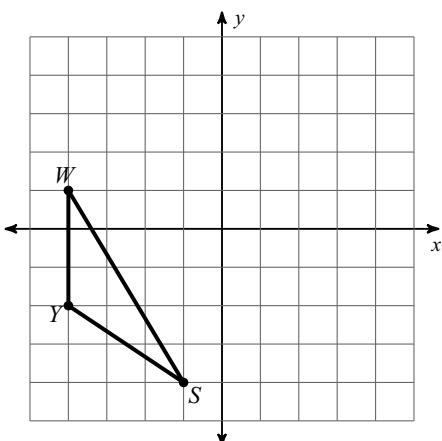
27) reflection across $x = -1$



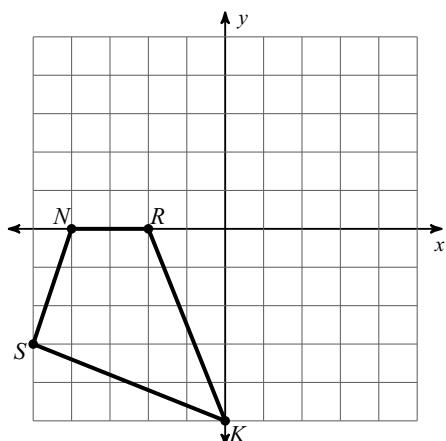
28) reflection across $x = 3$



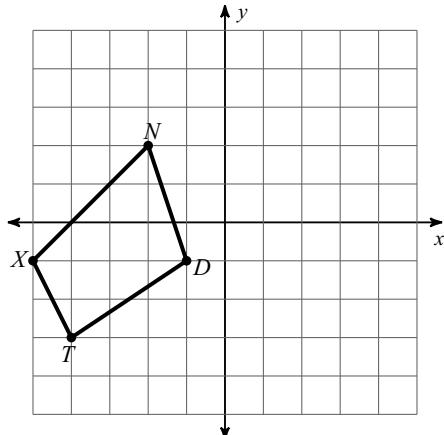
29) reflection across $x = -3$



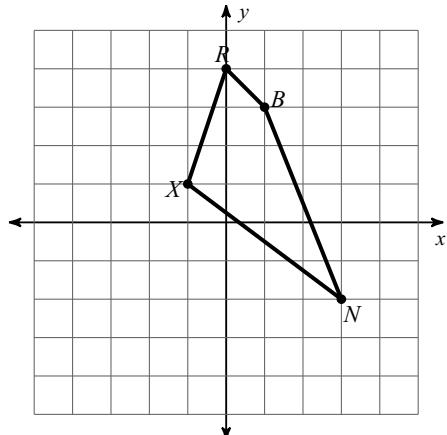
30) reflection across $y = x$



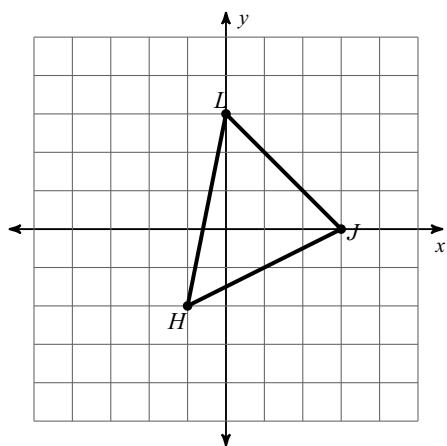
31) reflection across $x = -3$



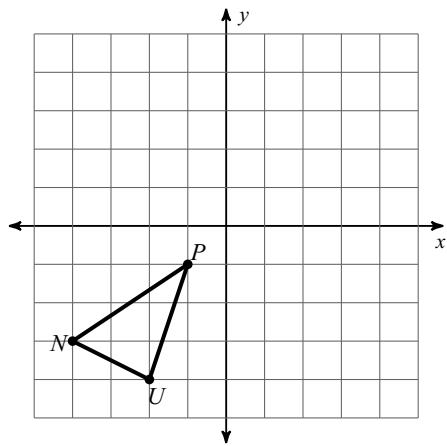
32) reflection across $y = 1$



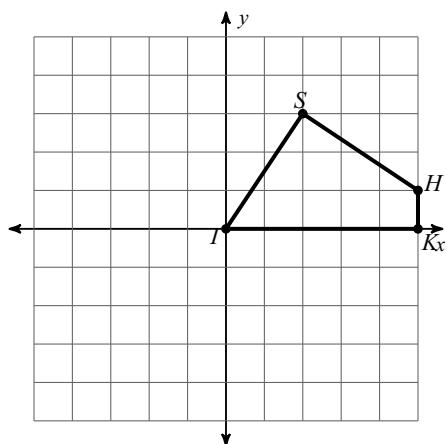
33) reflection across $y = 1$



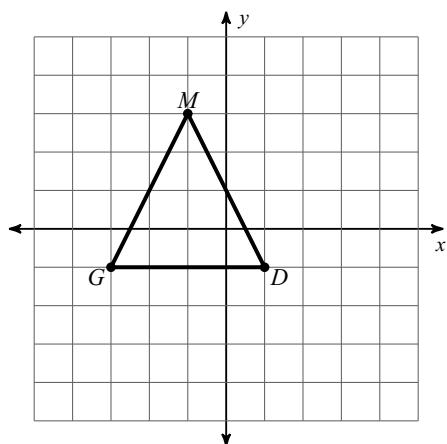
34) reflection across the y-axis



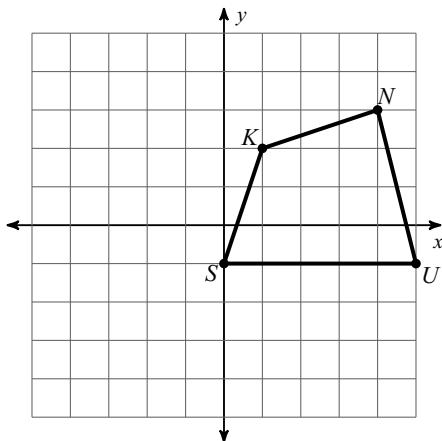
35) reflection across $x = 2$



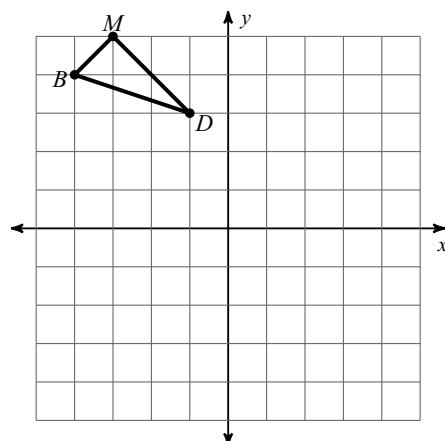
36) reflection across $y = -x$



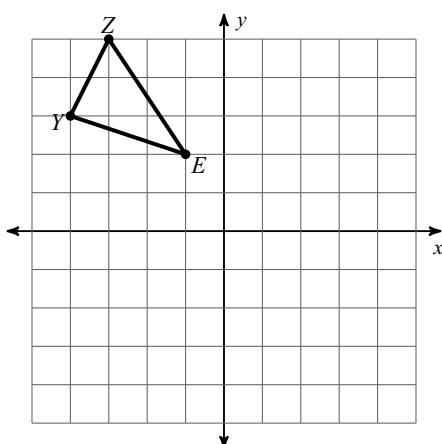
37) reflection across the x-axis



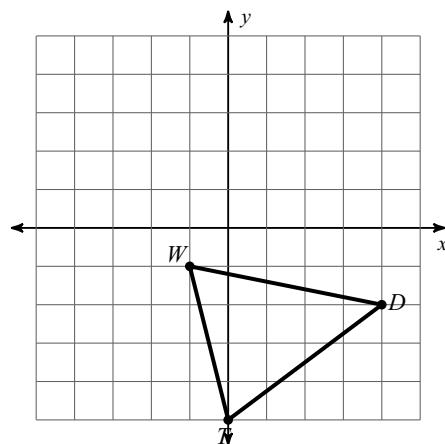
38) reflection across $y = x$



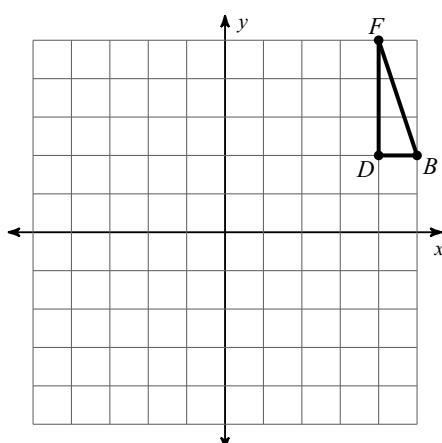
39) reflection across $y = -x$



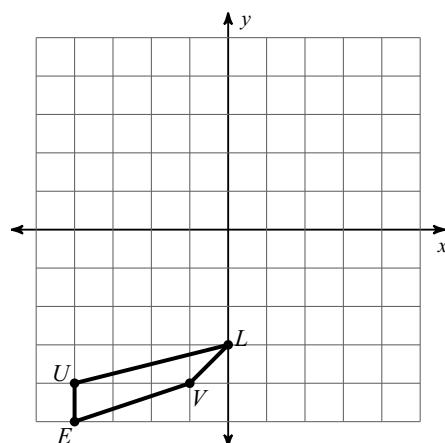
40) reflection across the x-axis



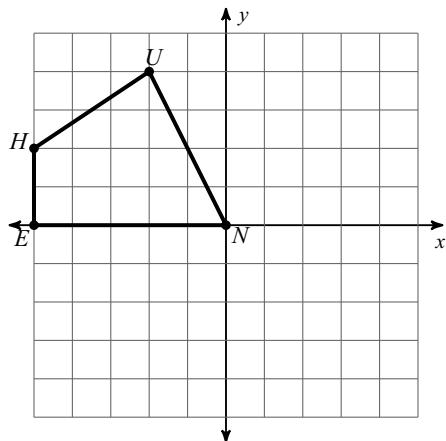
41) rotation 90° counterclockwise about the origin



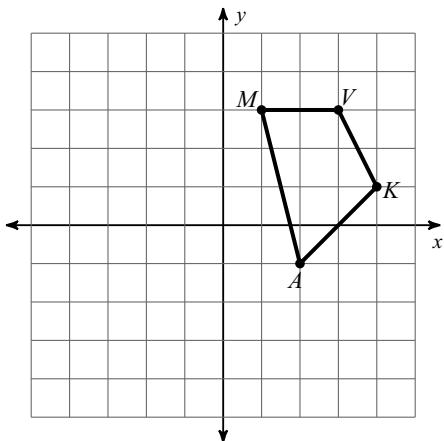
42) rotation 180° about the origin



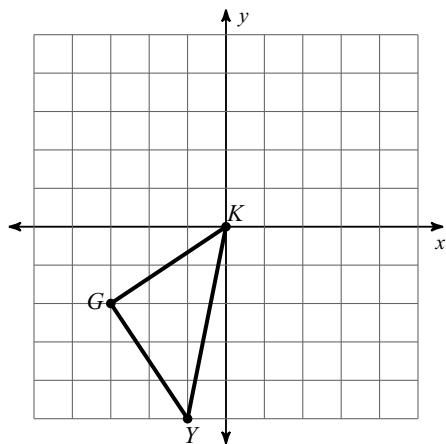
43) rotation 90° clockwise about the origin



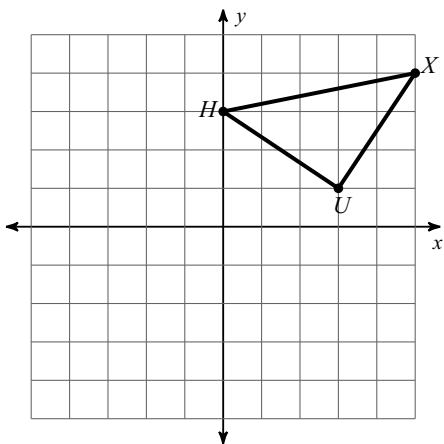
44) rotation 180° about the origin



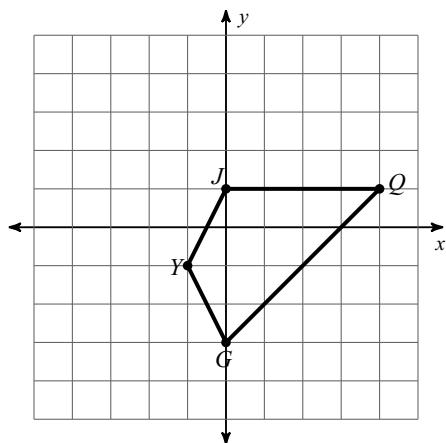
45) rotation 90° clockwise about the origin



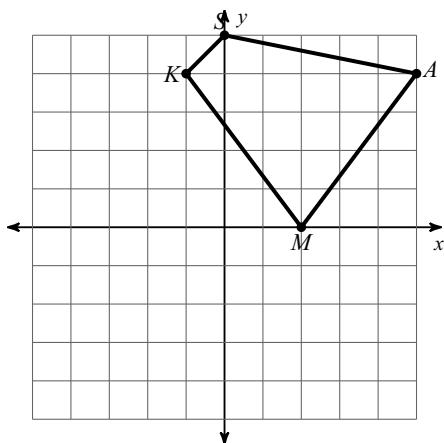
46) rotation 90° clockwise about the origin



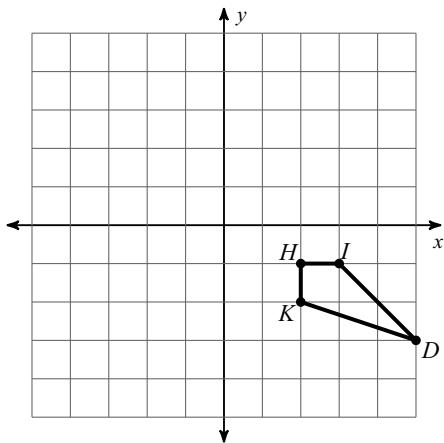
47) rotation 90° clockwise about the origin



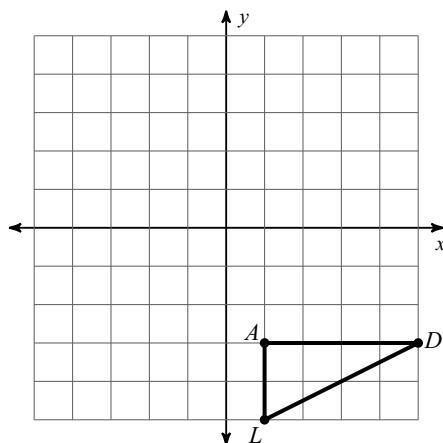
48) rotation 180° about the origin



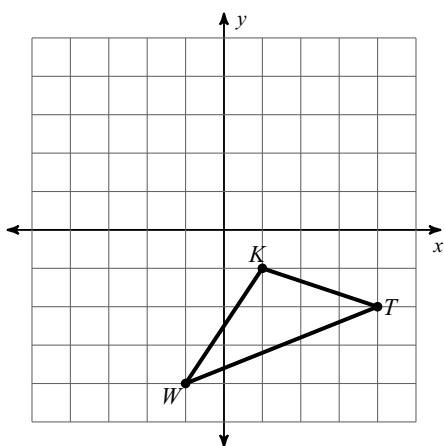
49) rotation 90° clockwise about the origin



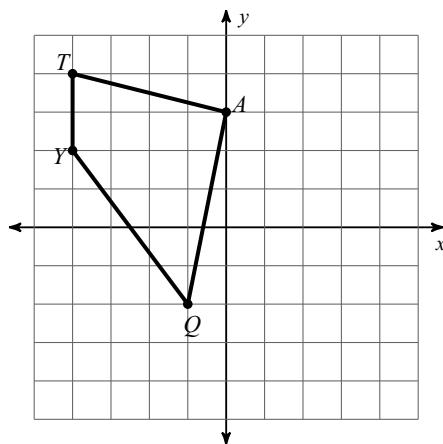
50) rotation 90° counterclockwise about the origin



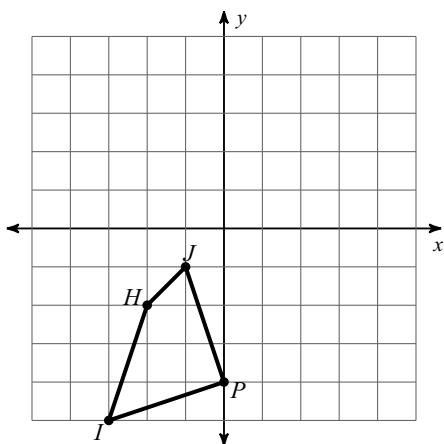
51) rotation 90° counterclockwise about the origin



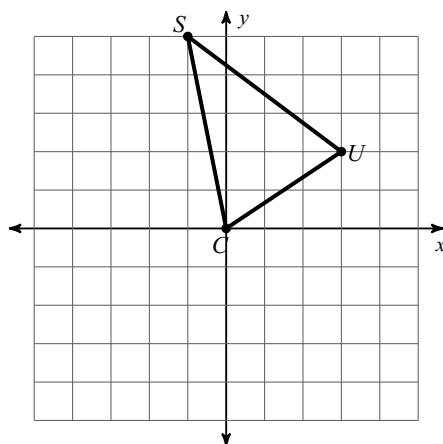
52) rotation 180° about the origin



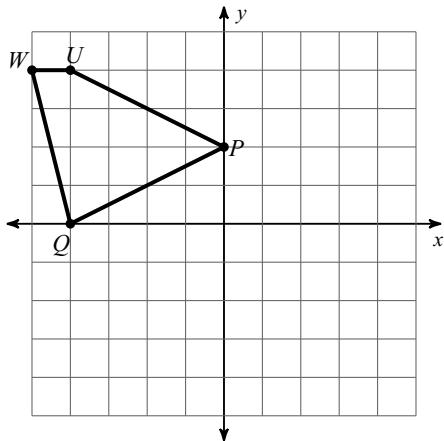
53) rotation 90° clockwise about the origin



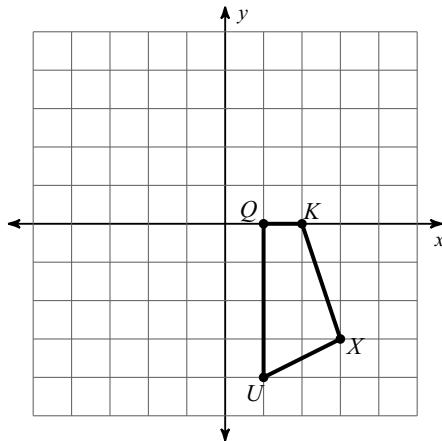
54) rotation 180° about the origin



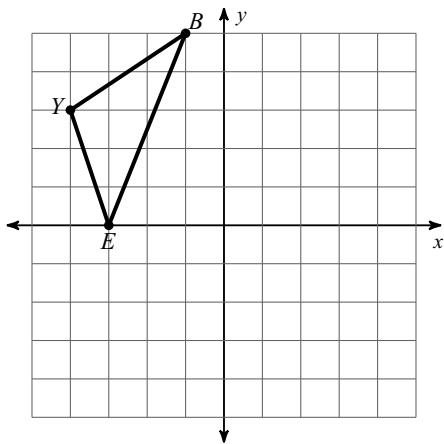
55) rotation 90° counterclockwise about the origin



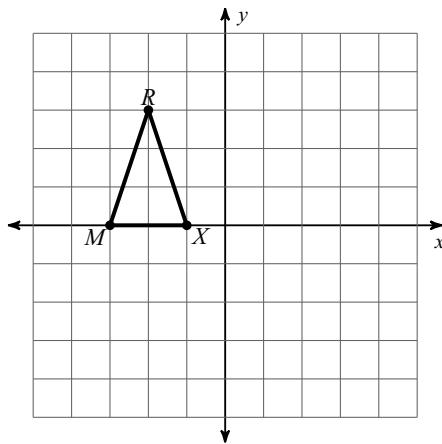
56) rotation 90° counterclockwise about the origin



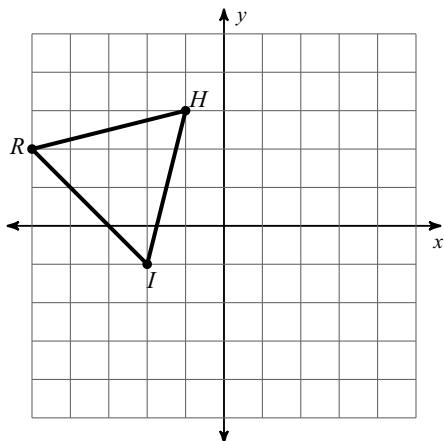
57) rotation 180° about the origin



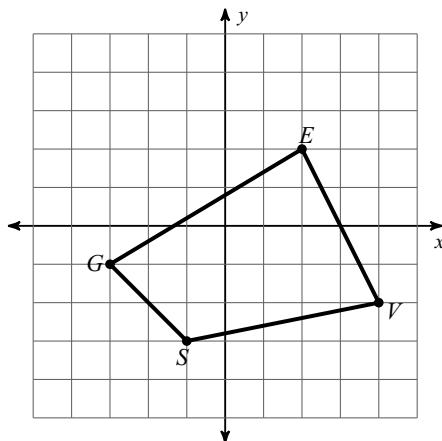
58) rotation 90° clockwise about the origin



59) rotation 180° about the origin

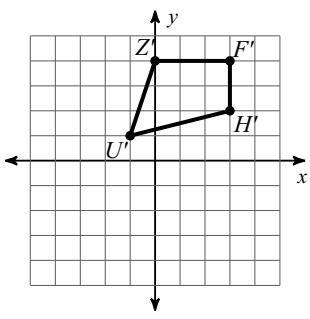


60) rotation 180° about the origin

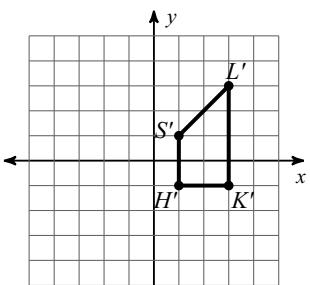


Answers to TRANSLATIONS, REFLECTIONS & ROTATIONS

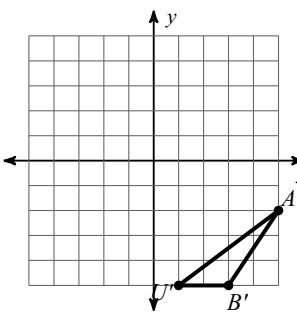
1)



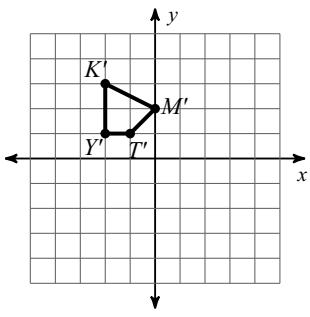
2)



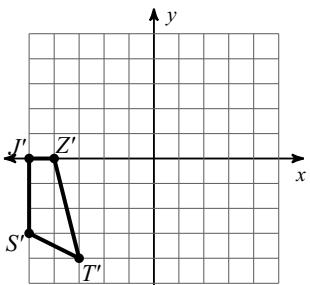
3)



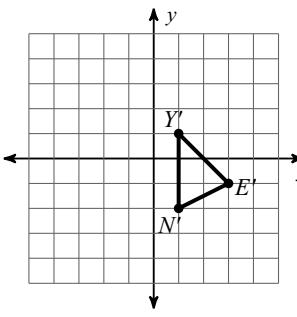
4)



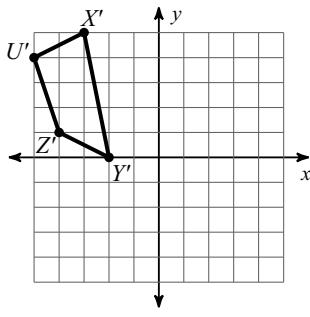
5)



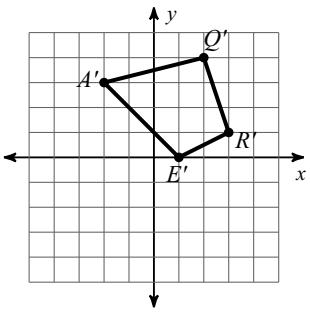
6)



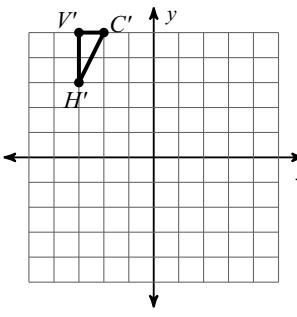
7)



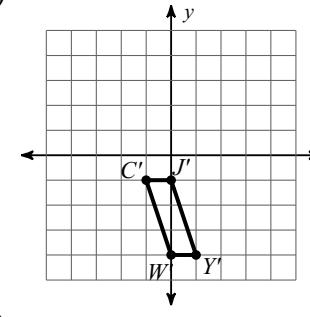
8)



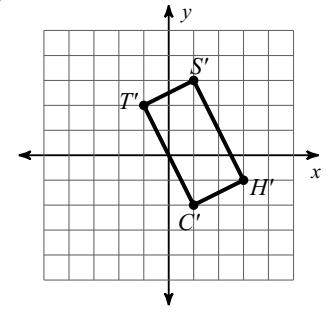
9)



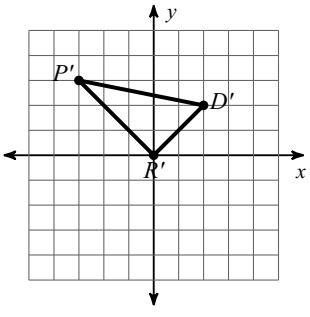
10)



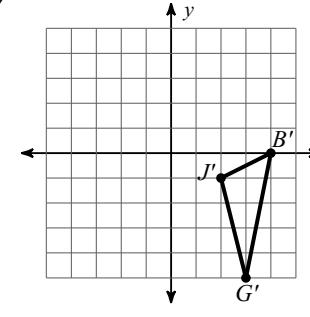
11)



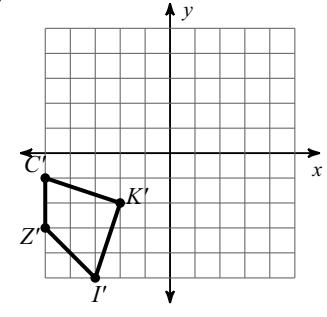
12)



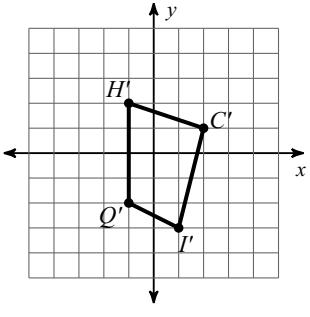
13)



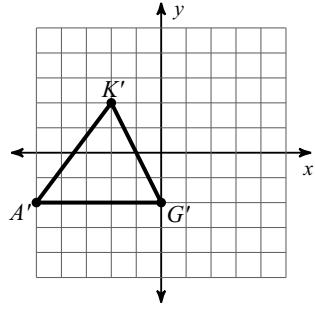
14)



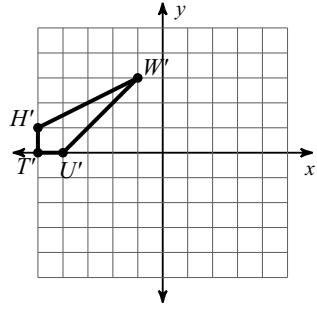
15)



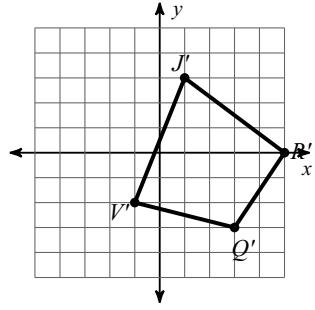
16)



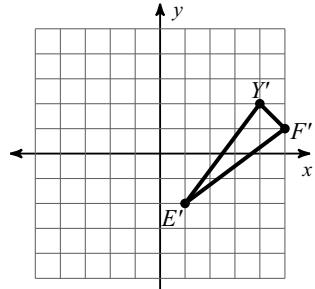
17)



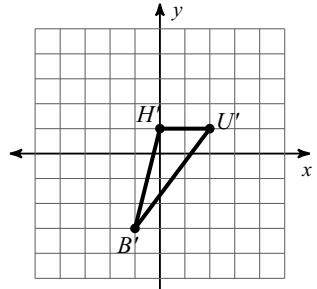
18)



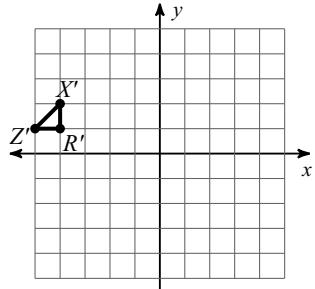
19)



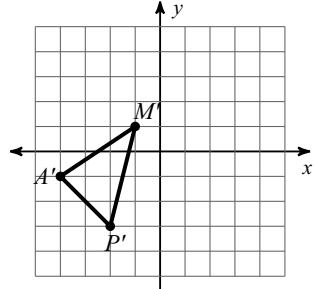
20)



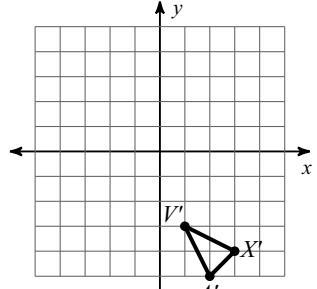
21)



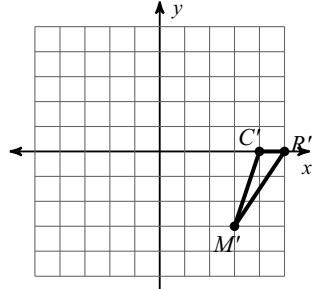
22)



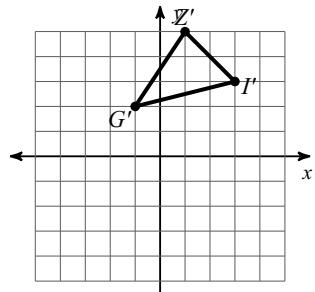
23)



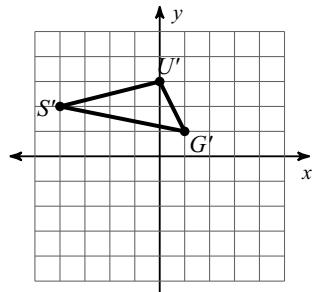
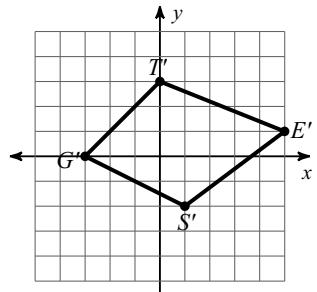
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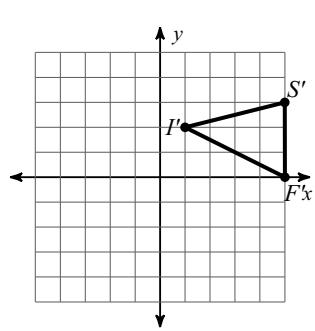
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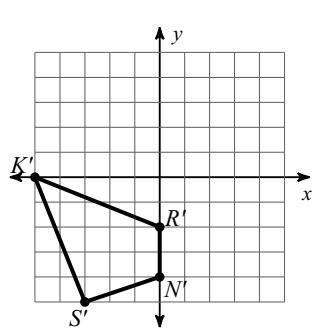
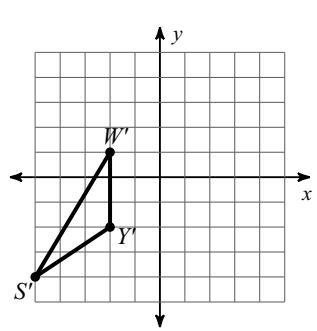
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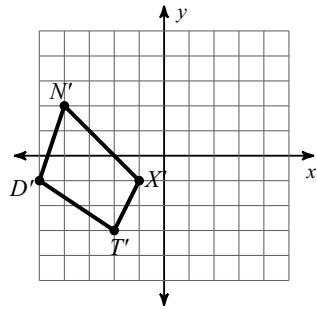
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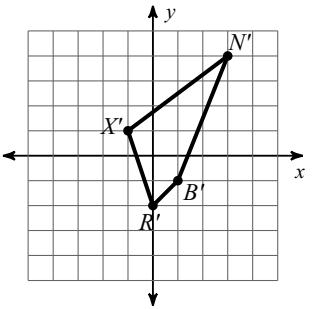
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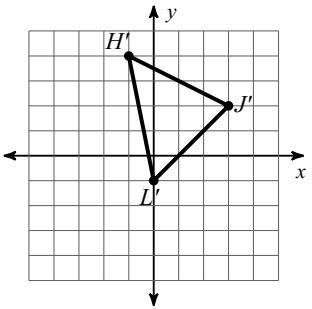
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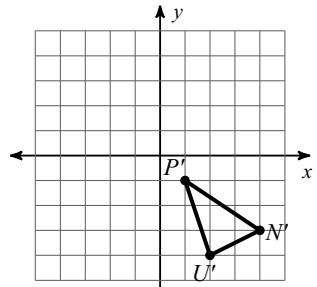
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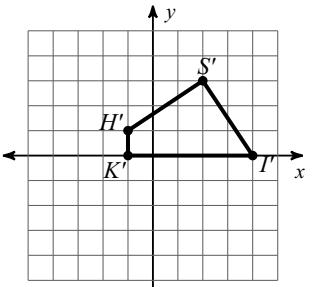
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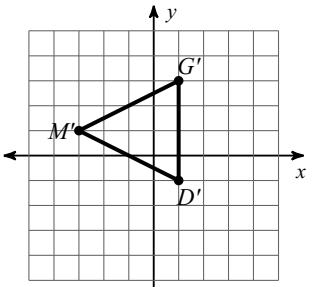
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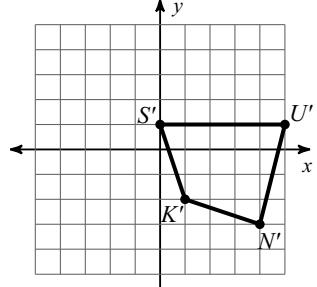
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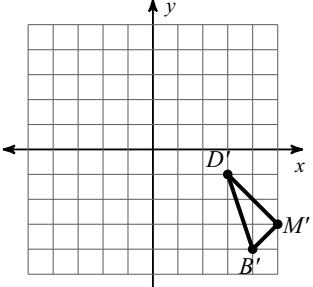
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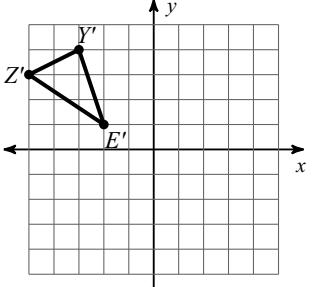
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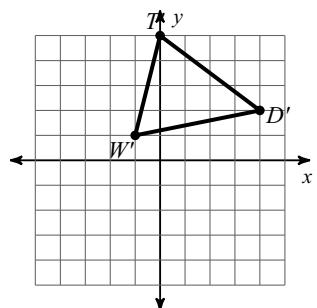
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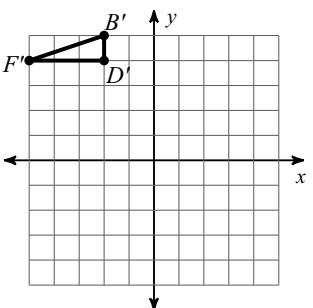
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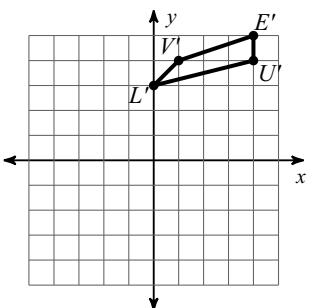
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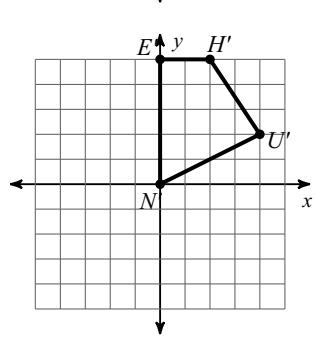
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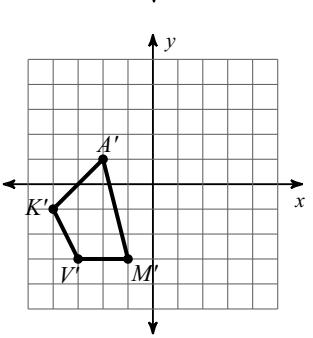
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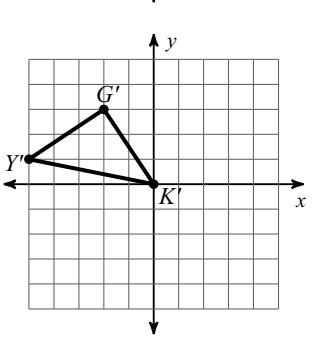
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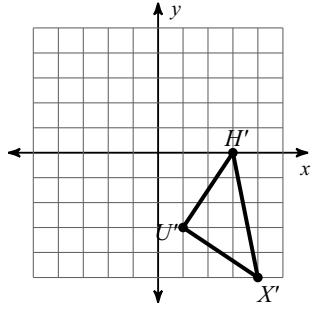
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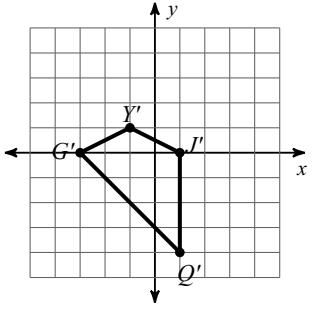
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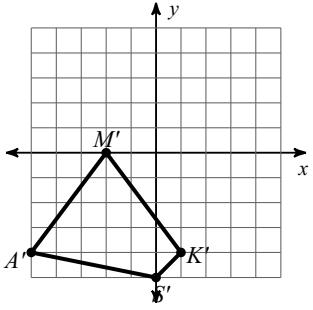
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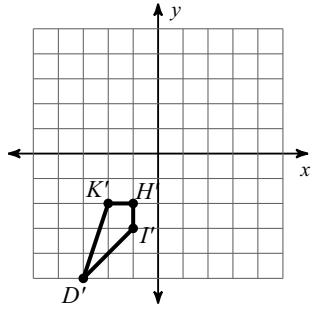
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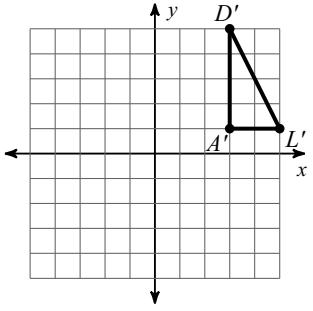
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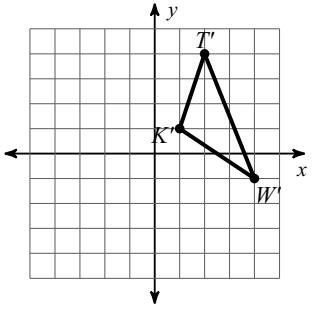
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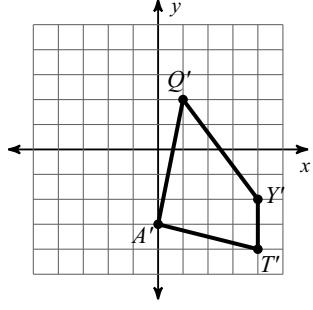
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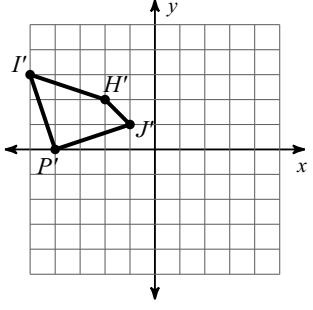
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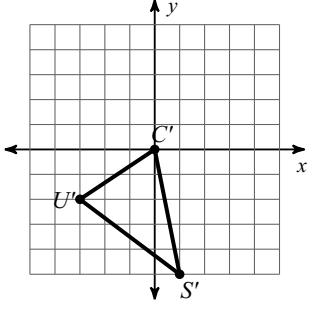
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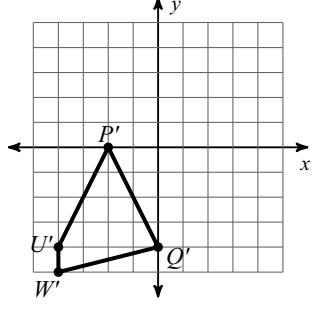
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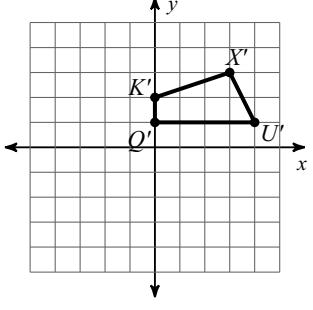
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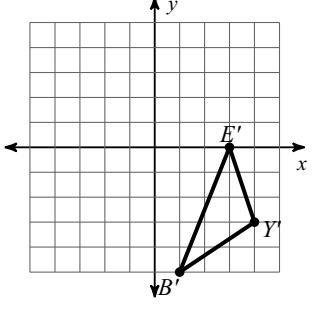
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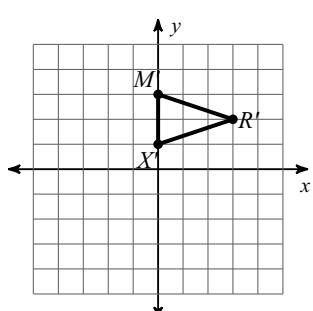
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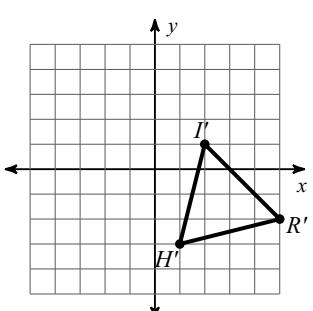
57)



58)



59)



60)

