

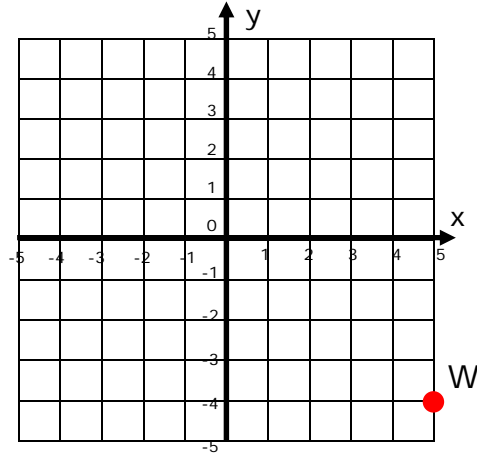
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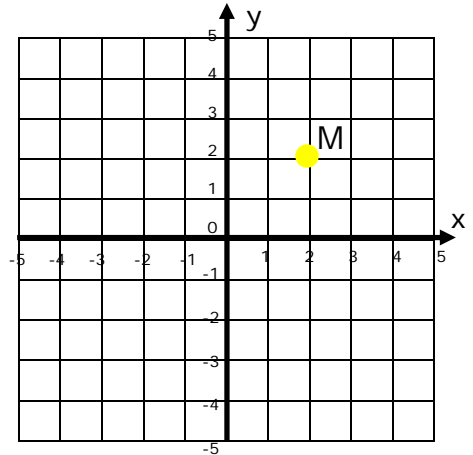
Dilations, Translations, Rotations, and Reflections- Independent Practice Worksheet

Complete all the problems.

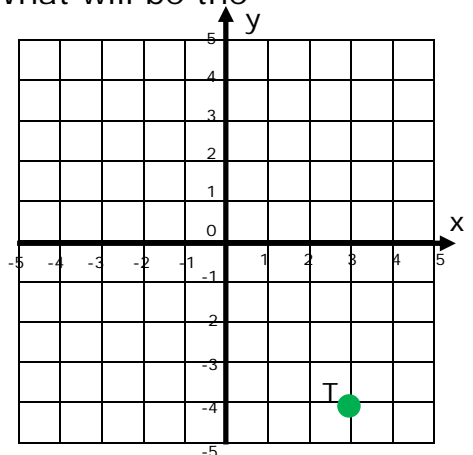
1) If the point $W(5,-4)$ is reflected over the x axis, what will be the coordinates of the resulting point, W' ?



2) If the point $M(2,2)$ is reflected over the y axis, what will be the coordinates of the resulting point, M' ?



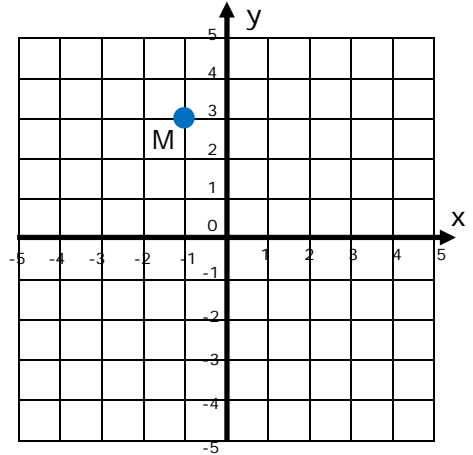
3) If the point $T(3,-4)$ is reflected over the x axis. What will be the coordinates of the resulting point, T' ?



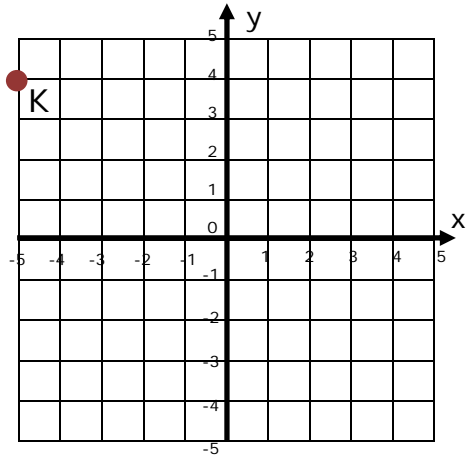
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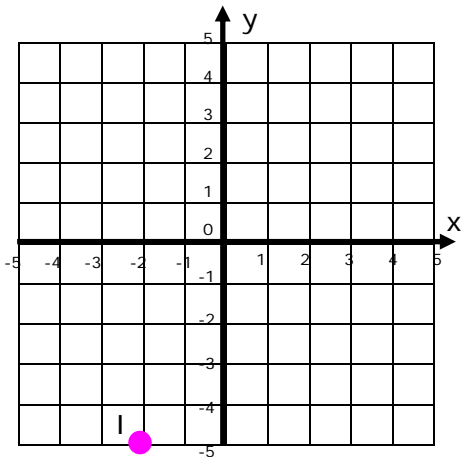
4) What will be the coordinates of the point M' if the point $M(-1,3)$ is translated 5 units down?



5) What will be the coordinates of the point K' if the point $K(-5,4)$ is translated 3 units down?



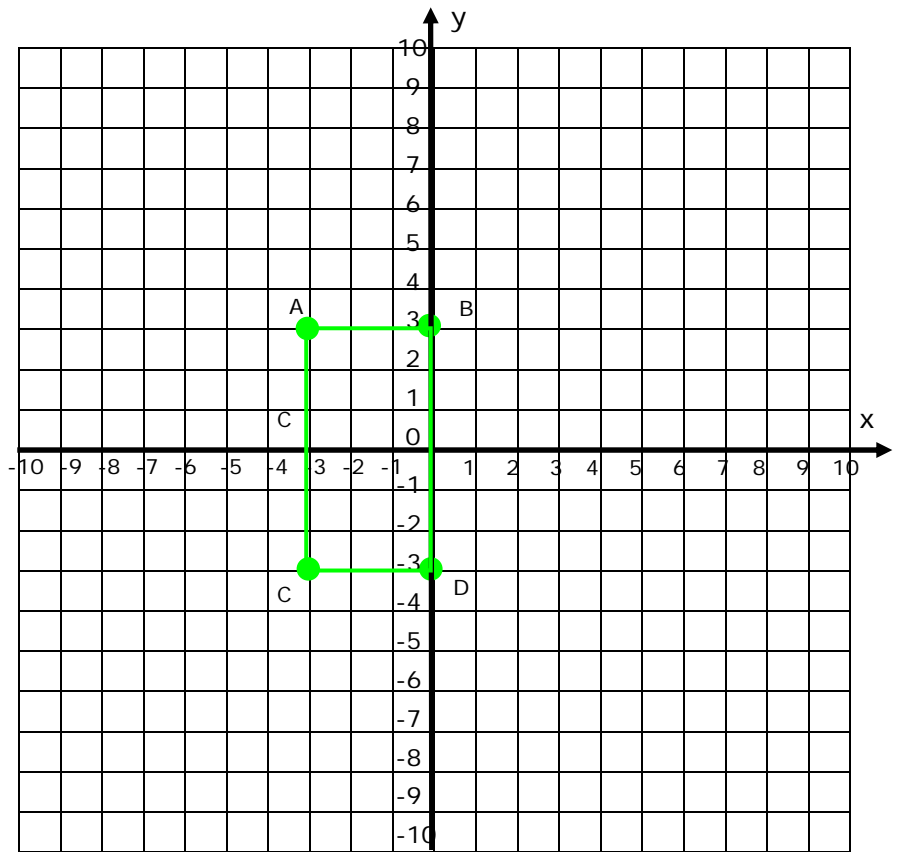
6) What will be the coordinates of the point I' if the point $I(-2,-5)$ is rotated 90° counterclockwise around the origin?



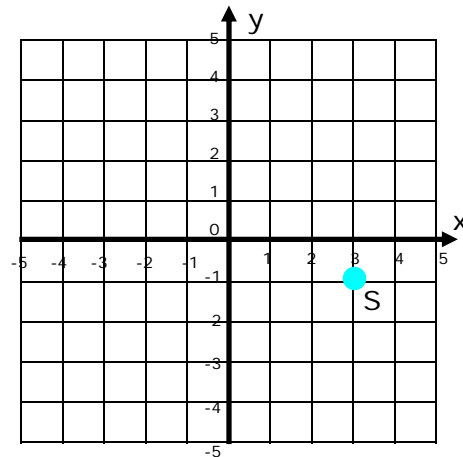
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7) Graph the image of rectangle ABCD after dilation with the scale factor of 3, centered at the origin.



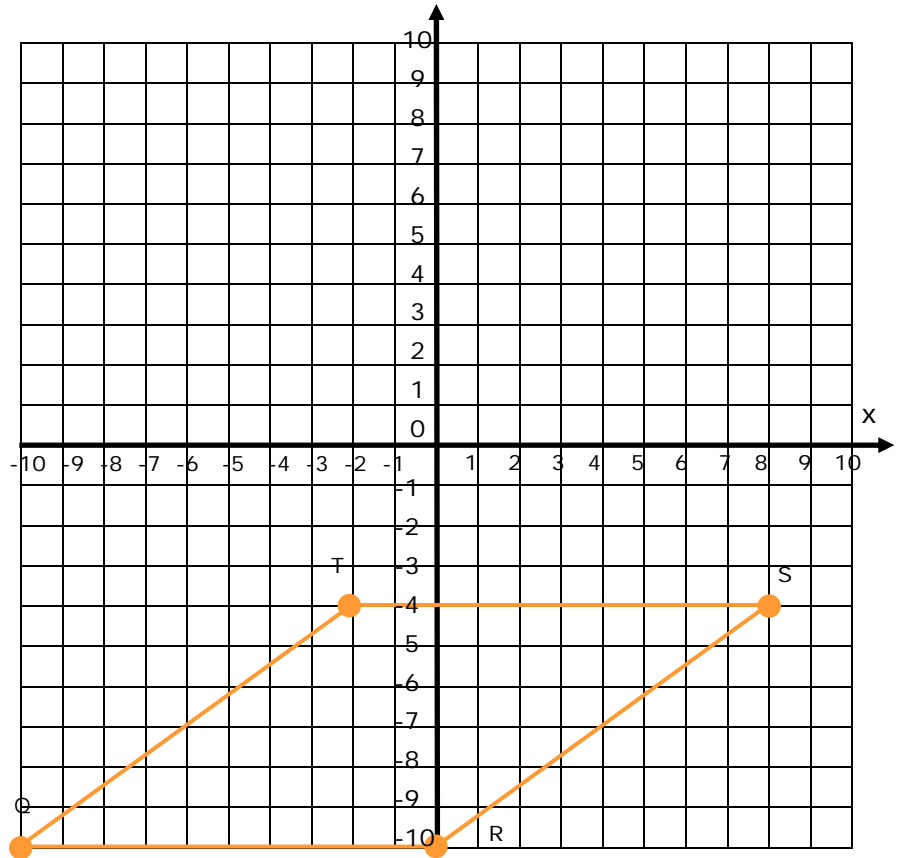
8) What will be the coordinates of the point I' if the point S(3,-1) is rotated 180° clockwise around the origin?



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9) Graph the image of rhombus QRST after dilation with the scale factor of $\frac{1}{2}$, centered at the origin.



10) What will be the coordinates of the point V' if the point $V(-3, 2)$ is rotated 270° clockwise around the origin?

