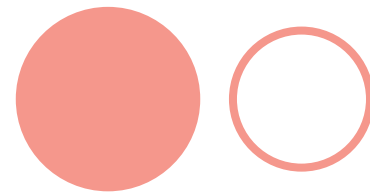
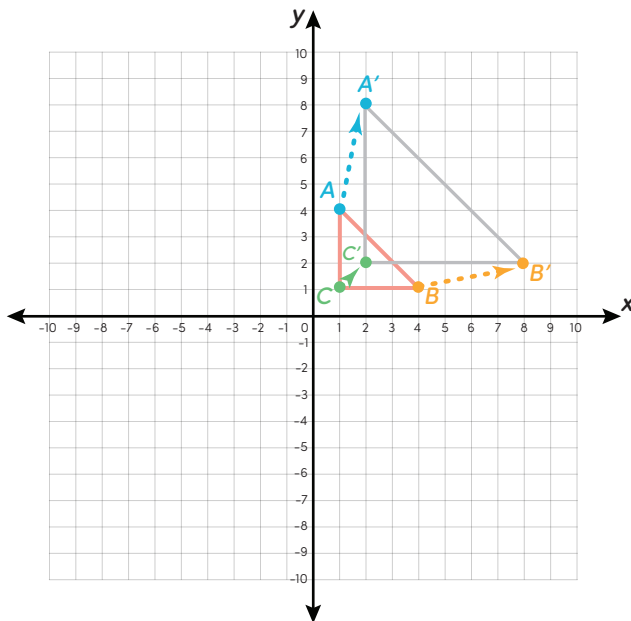


Dilations on the Coordinate Plane

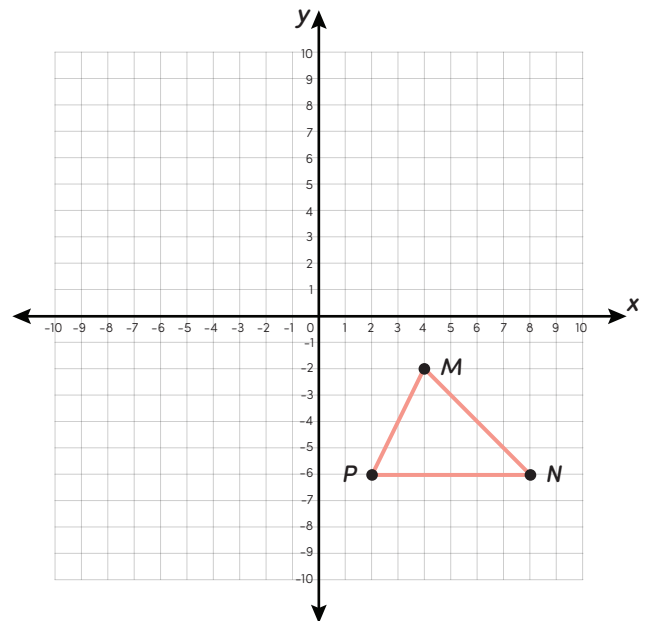


A **dilation** changes the size of a figure without changing its shape. Try it! Graph the image of each figure by completing the given dilation. The first problem has been done for you.

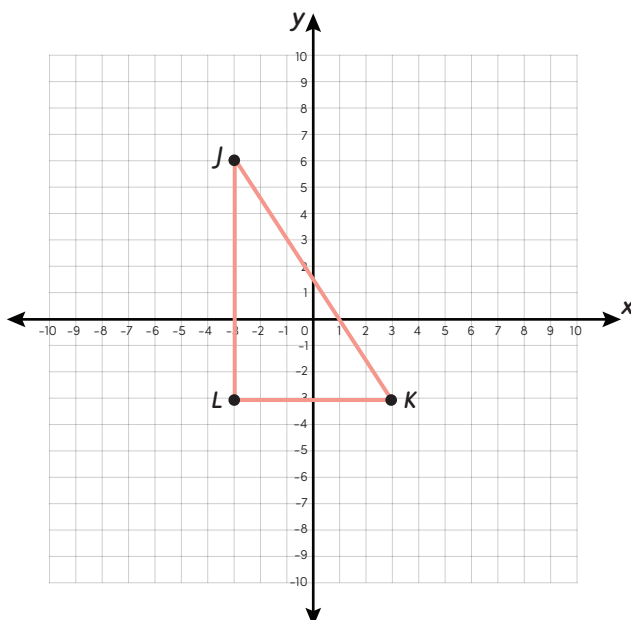
Graph the image of $\triangle ABC$ after a dilation with a scale factor of 2, centered at the origin.



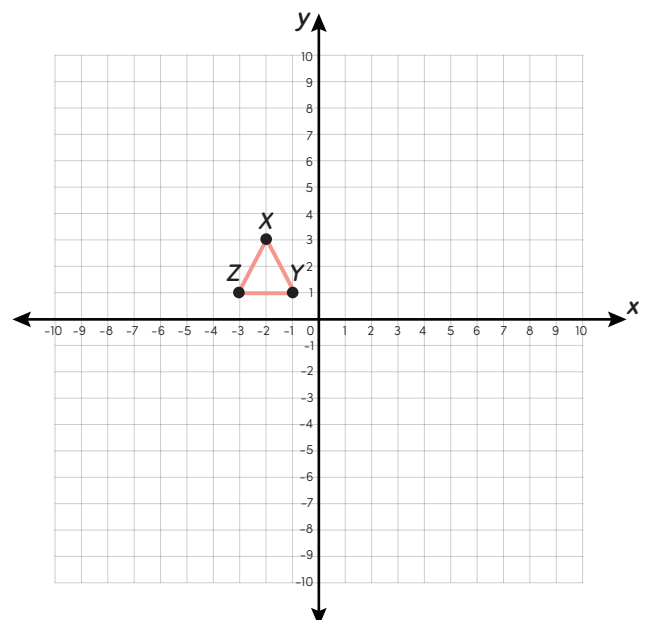
Graph the image of $\triangle MNP$ after a dilation with a scale factor of $\frac{1}{2}$, centered at the origin.



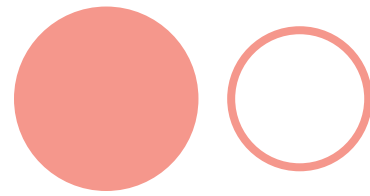
Graph the image of $\triangle JKL$ after a dilation with a scale factor of $\frac{1}{3}$, centered at the origin.



Graph the image of $\triangle XYZ$ after a dilation with a scale factor of 3, centered at the origin.

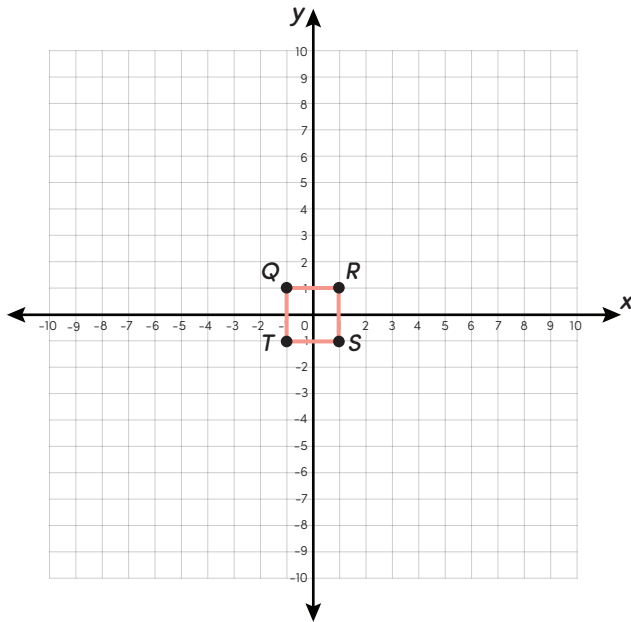


Dilations on the Coordinate Plane

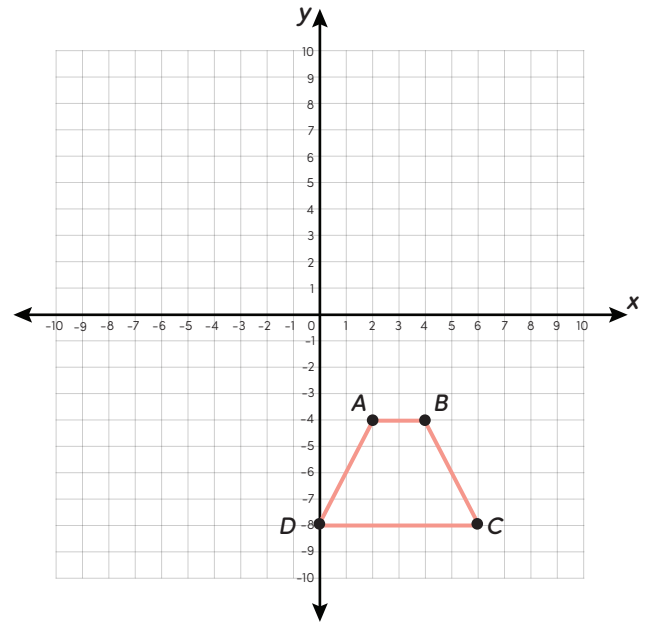


Keep going! Graph the image of each figure by completing the given dilation.

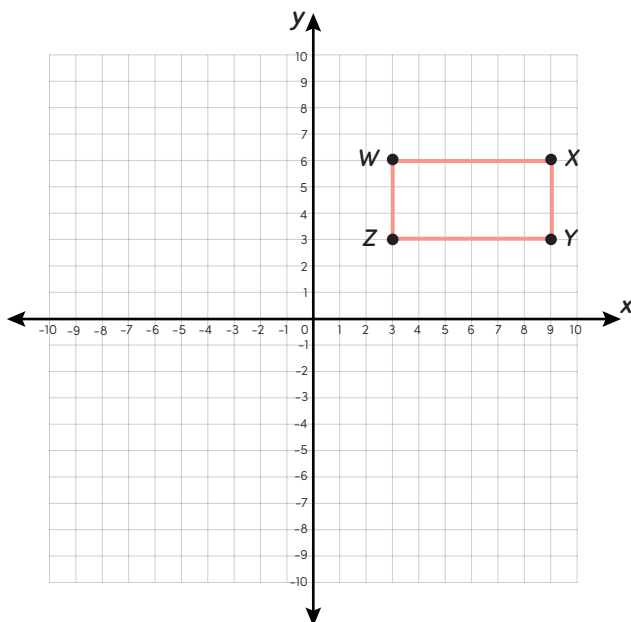
Graph the image of square $QRST$ after a dilation with a scale factor of 4, centered at the origin.



Graph the image of trapezoid $ABCD$ after a dilation with a scale factor of $\frac{1}{2}$, centered at the origin.



Graph the image of rectangle $WXYZ$ after a dilation with a scale factor of $\frac{2}{3}$, centered at the origin.



Graph the image of parallelogram $JKLM$ after a dilation with a scale factor of 2, centered at the origin.

