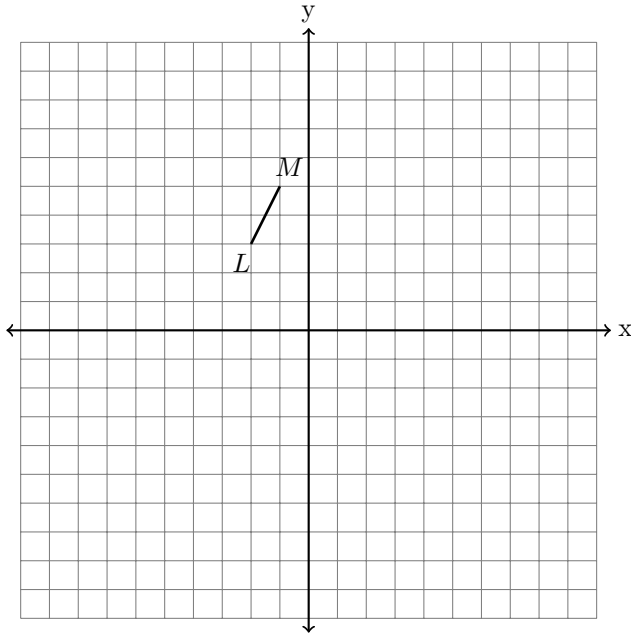


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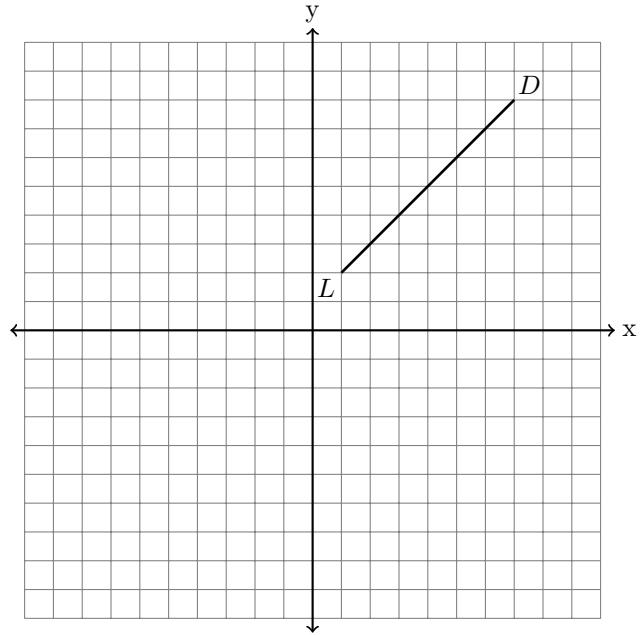
6.1 - Perform Dilations

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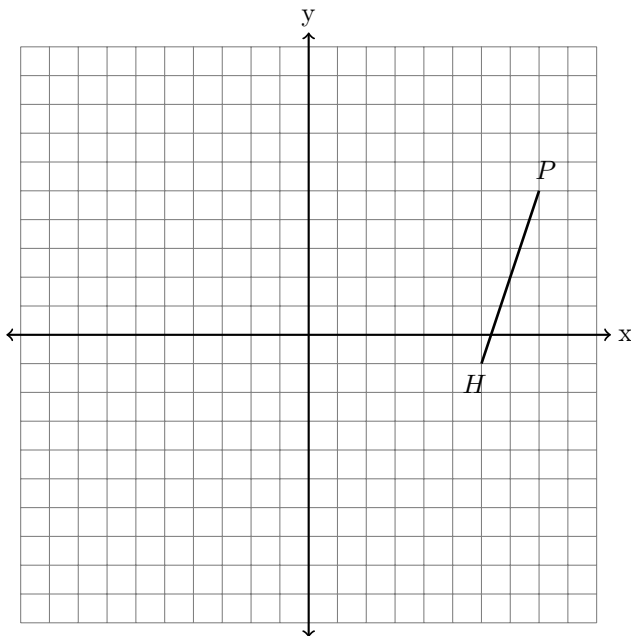
1. Given  $\triangle MLU$  below, graph  $\triangle M'L'U'$  after a dilation centered at  $(-1, 7)$  with a scale factor of 3.



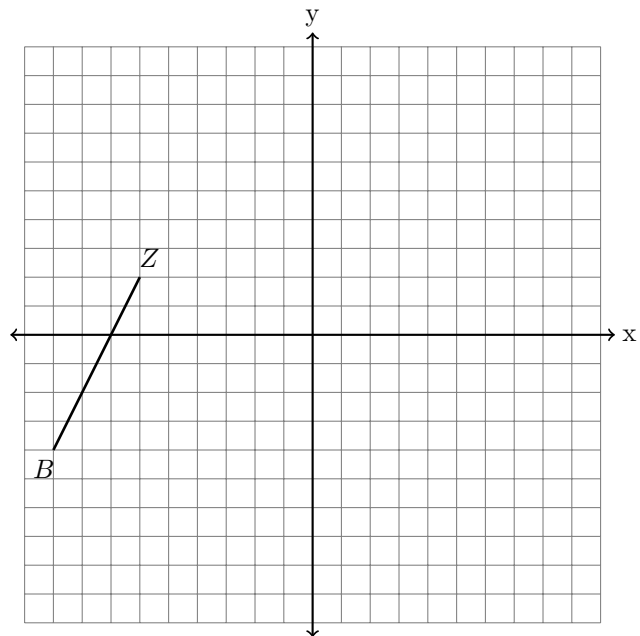
2. Given  $\triangle DLU$  below, graph  $\triangle D'L'U'$  after a dilation centered at  $(7, 5)$  with a scale factor of  $\frac{5}{3}$ .



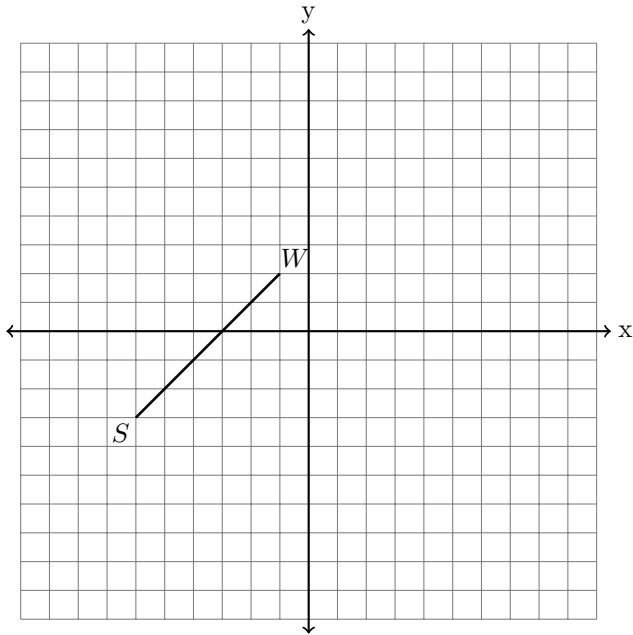
3. Given  $\triangle PHA$  below, graph  $\triangle P'H'A'$  after a dilation centered at  $(8, 1)$  with a scale factor of  $\frac{3}{2}$ .



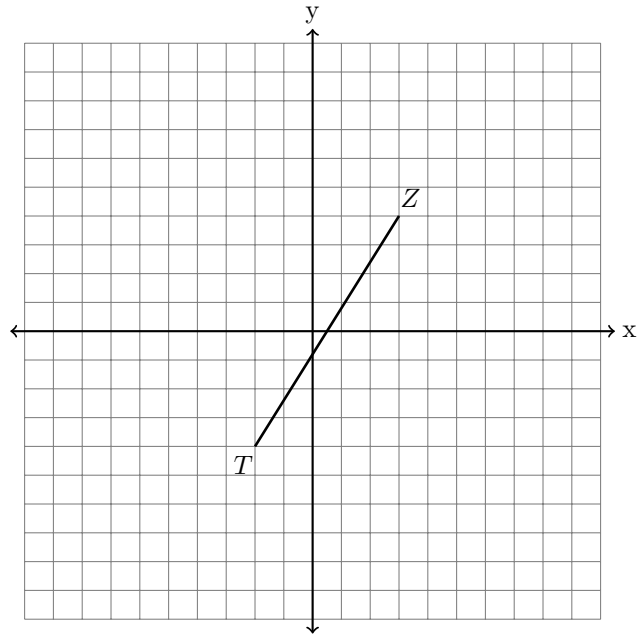
4. Given  $\triangle ZBP$  below, graph  $\triangle Z'B'P'$  after a dilation centered at  $(-6, -1)$  with a scale factor of  $\frac{4}{3}$ .



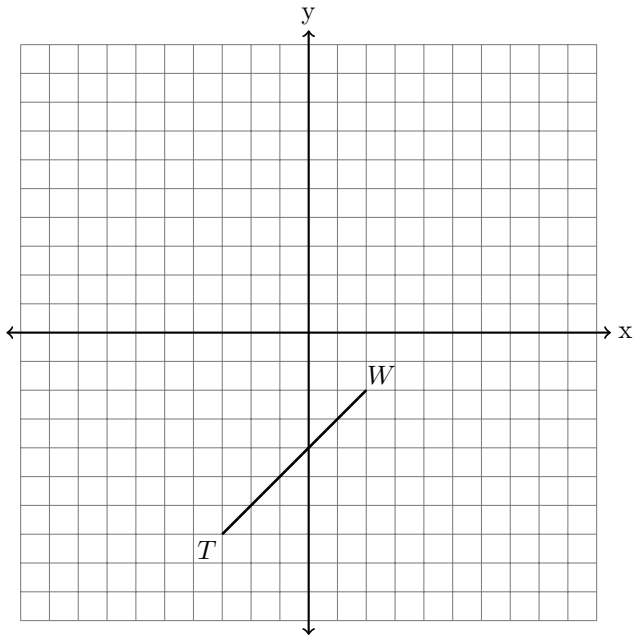
5. Given  $\triangle WSZ$  below, graph  $\triangle W'S'Z'$  after a dilation centered at  $(4, 7)$  with a scale factor of  $\frac{3}{5}$ .



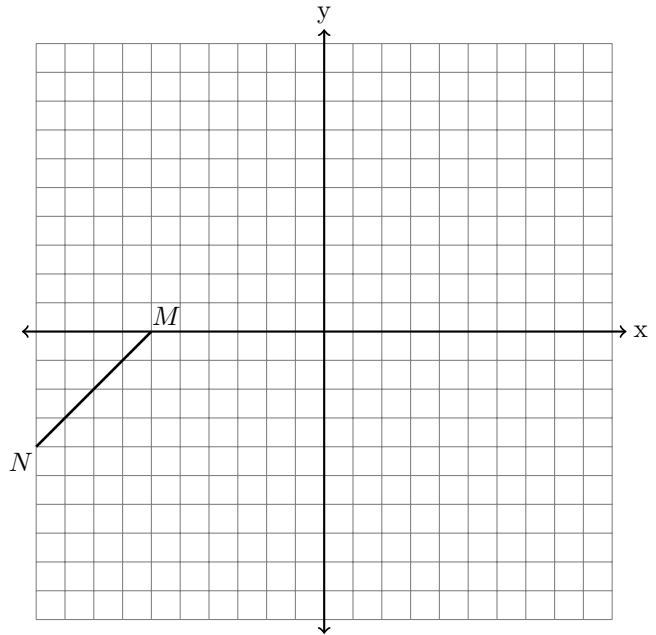
6. Given  $\triangle ZTF$  below, graph  $\triangle Z'T'F'$  after a dilation centered at  $(3, 1)$  with a scale factor of 2.



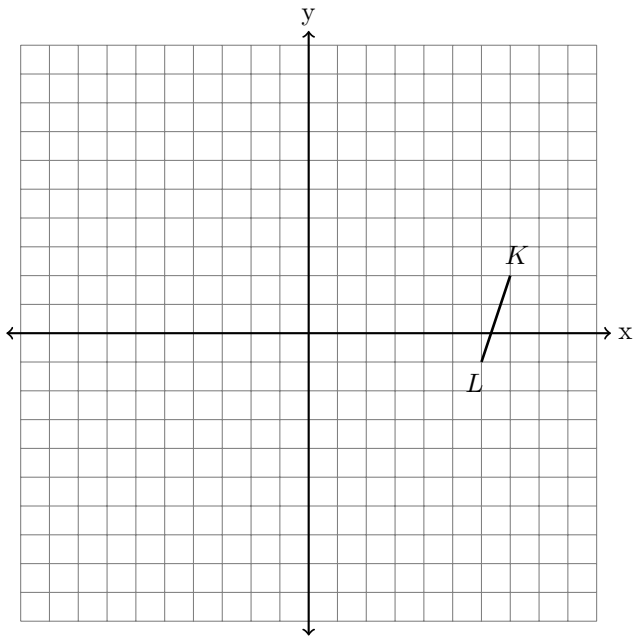
7. Given  $\triangle WTR$  below, graph  $\triangle W'T'R'$  after a dilation centered at  $(2, -2)$  with a scale factor of  $\frac{7}{5}$ .



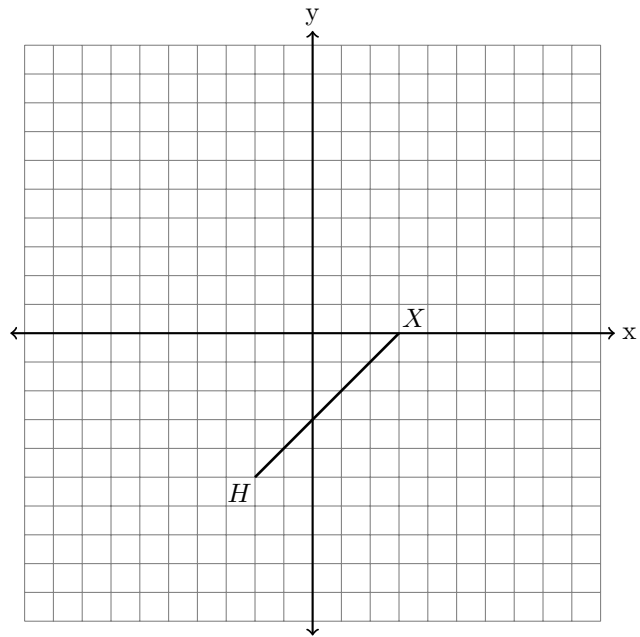
8. Given  $\triangle MNP$  below, graph  $\triangle M'N'P'$  after a dilation centered at  $(-6, 0)$  with a scale factor of  $\frac{3}{4}$ .



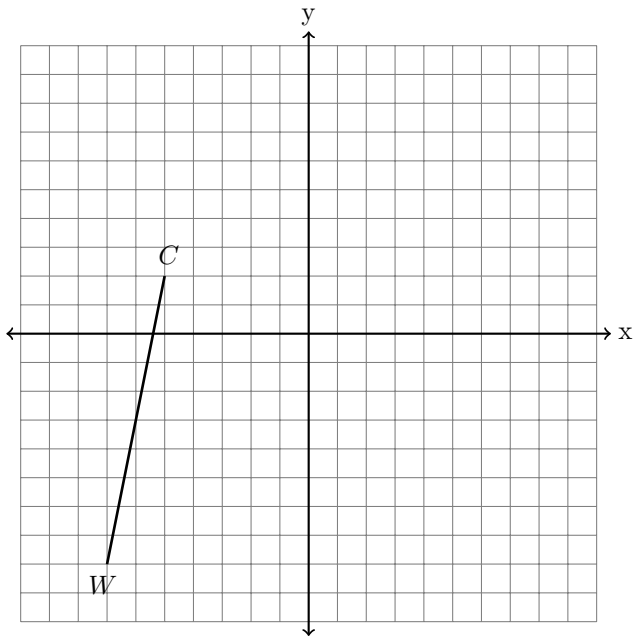
9. Given  $\triangle KLD$  below, graph  $\triangle K'L'D'$  after a dilation centered at  $(7, 2)$  with a scale factor of 4.



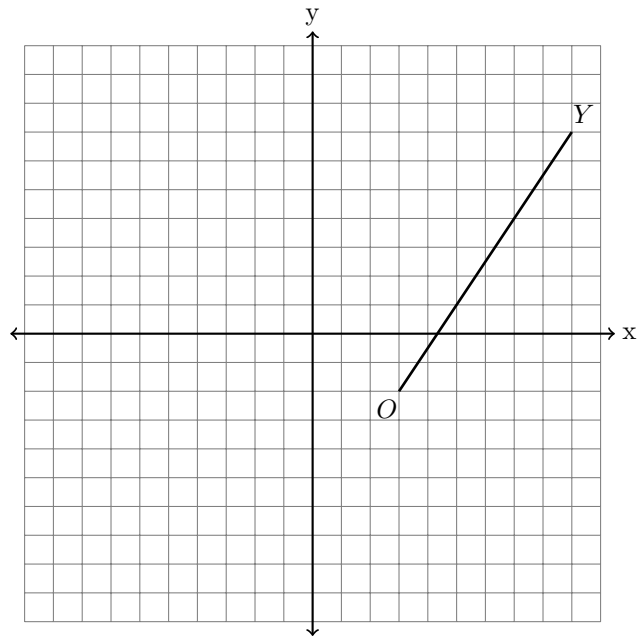
10. Given  $\triangle XHS$  below, graph  $\triangle X'H'S'$  after a dilation centered at  $(3, 0)$  with a scale factor of  $\frac{8}{5}$ .



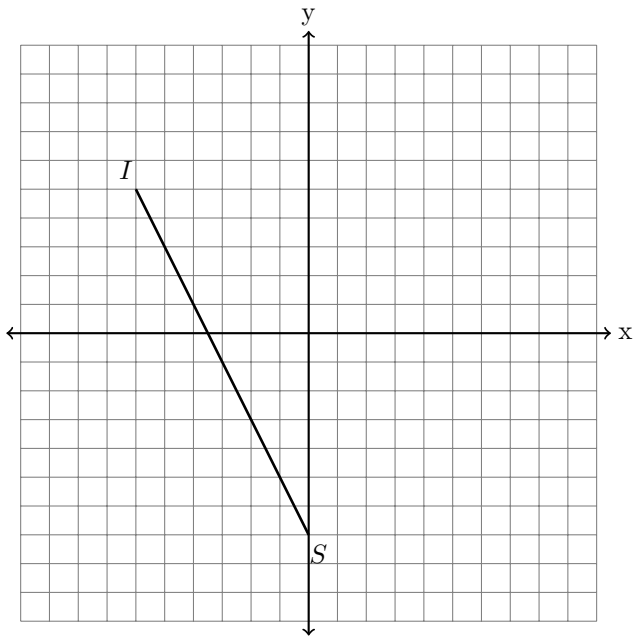
11. Given  $\triangle CWM$  below, graph  $\triangle C'W'M'$  after a dilation centered at  $(-5, 2)$  with a scale factor of  $\frac{1}{2}$ .



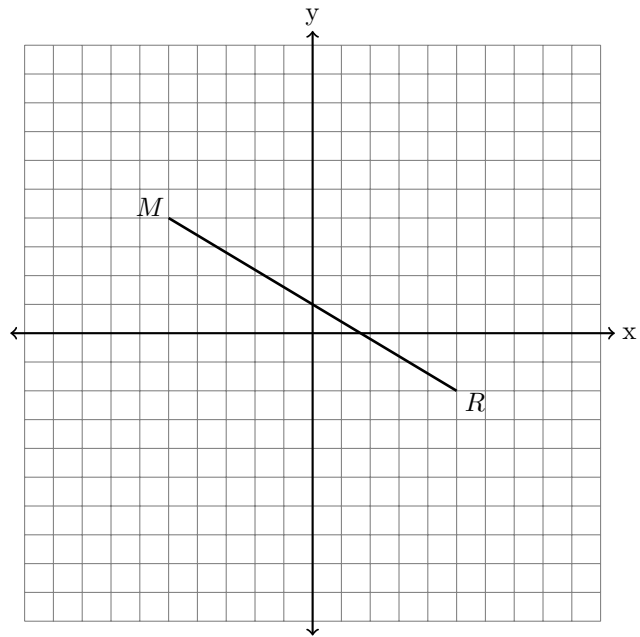
12. Given  $\triangle YOD$  below, graph  $\triangle Y'O'D'$  after a dilation centered at  $(9, 7)$  with a scale factor of  $\frac{2}{3}$ .



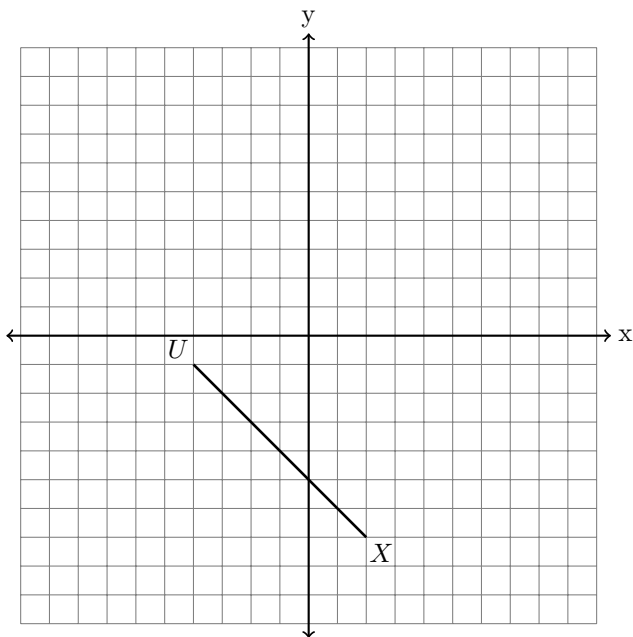
13. Given  $\triangle ISM$  below, graph  $\triangle I'S'M'$  after a dilation centered at  $(-3, -1)$  with a scale factor of  $\frac{4}{3}$ .



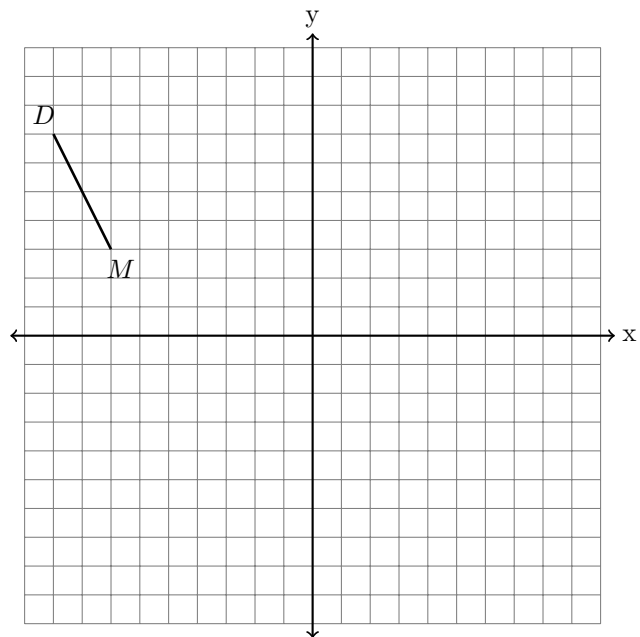
14. Given  $\triangle MRL$  below, graph  $\triangle M'R'L'$  after a dilation centered at  $(0, 1)$  with a scale factor of 2.



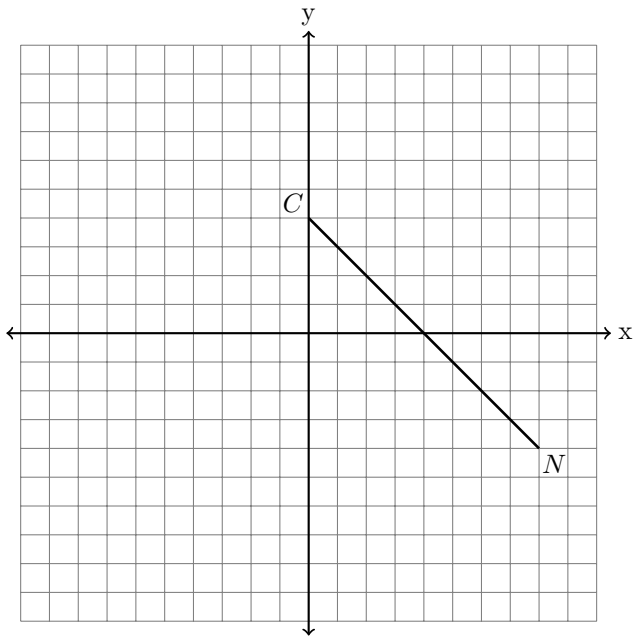
15. Given  $\triangle UXL$  below, graph  $\triangle U'X'L'$  after a dilation centered at  $(-1, -4)$  with a scale factor of  $\frac{4}{3}$ .



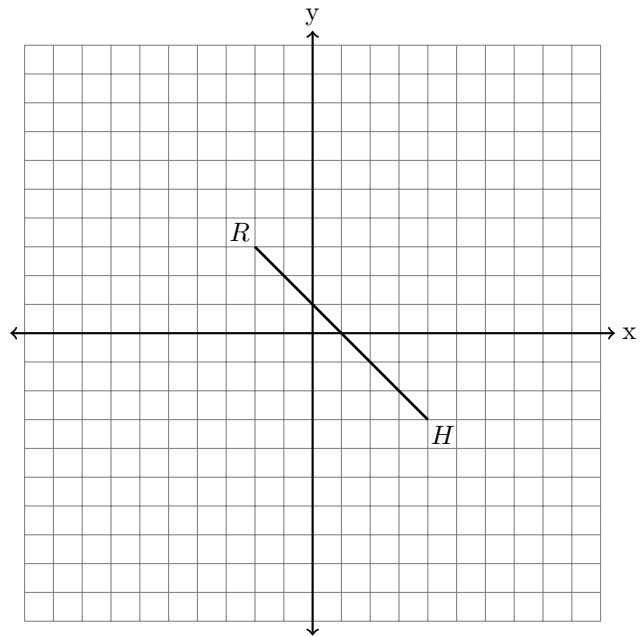
16. Given  $\triangle DMC$  below, graph  $\triangle D'M'C'$  after a dilation centered at  $(-8, 5)$  with a scale factor of 2.



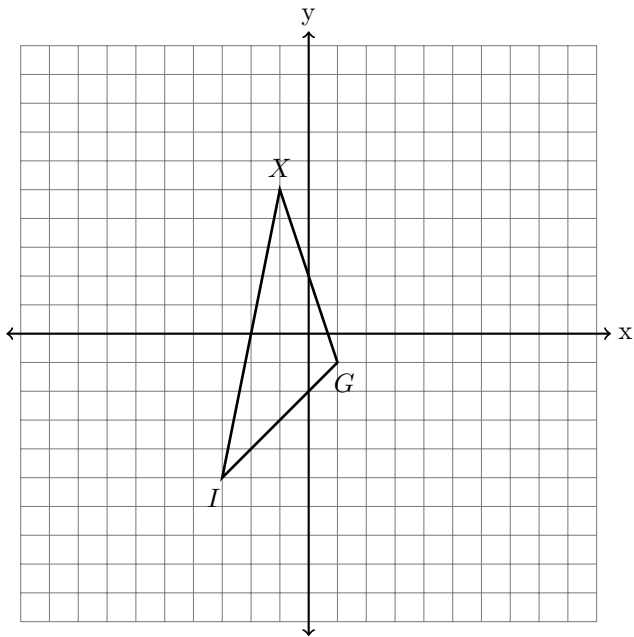
17. Given  $\triangle CNH$  below, graph  $\triangle C'N'H'$  after a dilation centered at  $(4,0)$  with a scale factor of  $\frac{3}{2}$ .



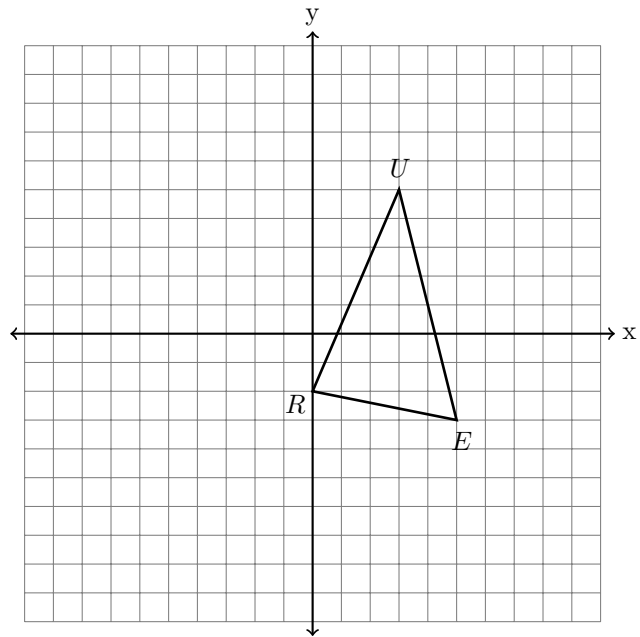
18. Given  $\triangle RHN$  below, graph  $\triangle R'H'N'$  after a dilation centered at  $(1,0)$  with a scale factor of 3.



19. Given  $\triangle XIG$  below, graph  $\triangle X'I'G'$  after a dilation centered at  $(-1,1)$  with a scale factor of  $\frac{3}{2}$ .



20. Given  $\triangle URE$  below, graph  $\triangle U'R'E'$  after a dilation centered at  $(3,0)$  with a scale factor of 2.





Name: \_\_\_\_\_

6.1 - Perform DilationsAnswers

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1.  $L'(-4, -5)$
2.  $L'(-3, 0)$
3.  $H'(5, -2)$
4.  $B'(-10, -5)$
5.  $S'(-2, 1)$
6.  $T'(-7, -9)$
7.  $T'(-5, -9)$
8.  $N'(-9, -3)$
9.  $L'(3, -10)$
10.  $H'(-5, -8)$
11.  $W'(-6, -3)$
12.  $O'(5, 1)$
13.  $S'(1, -9)$
14.  $R'(10, -5)$
15.  $X'(3, -8)$
16.  $M'(-6, 1)$
17.  $N'(10, -6)$
18.  $H'(10, -9)$
19.  $I'(-4, -8)$
20.  $R'(-3, -4)$