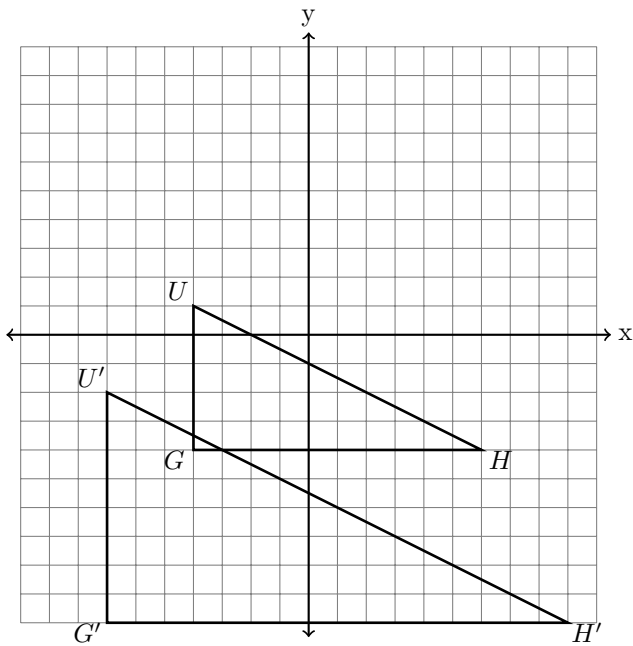1. Given $\triangle HUE$ below, graph $\triangle H'U'E'$ after a dilation centered at $(1,6)$ with a scale factor of $\frac{1}{2}$.
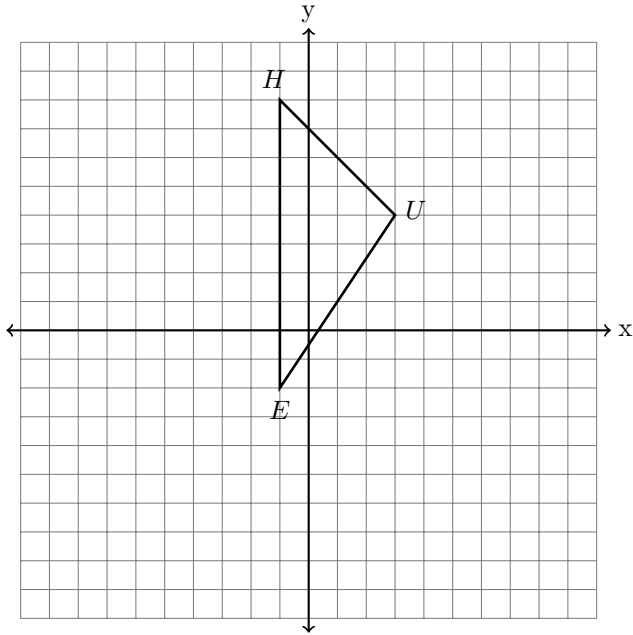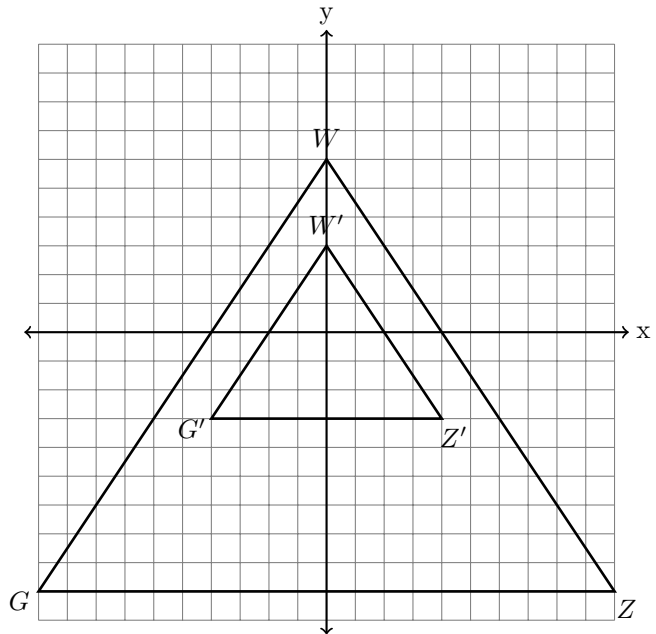
2. Given $\triangle UNB$ below, graph $\triangle U'N'B'$ after a dilation centered at $(5,-1)$ with a scale factor of 2.
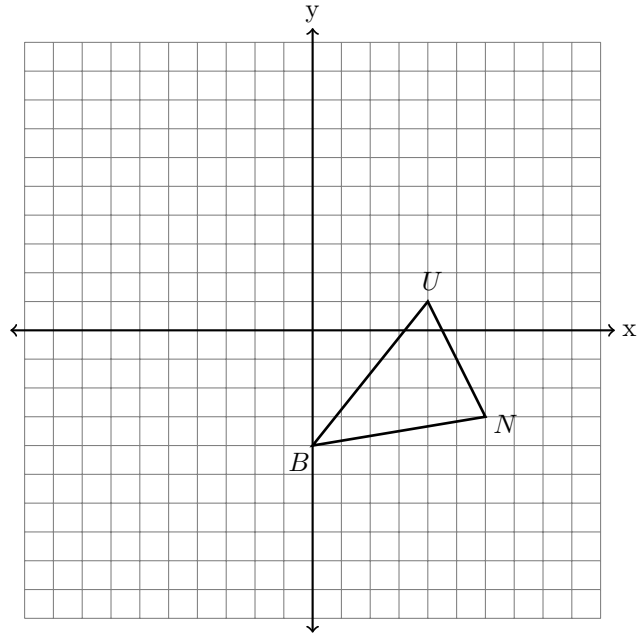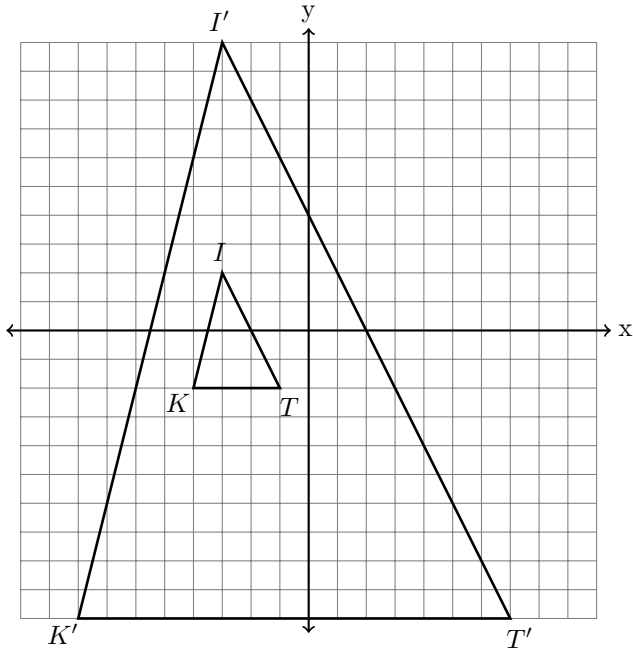
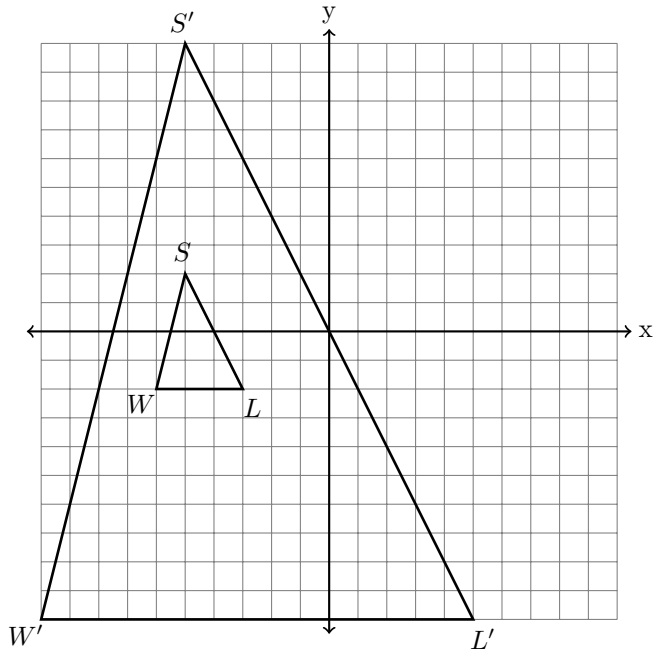3. Given the graph below, describe the transformation that maps $\triangle UGH$ onto $\triangle U'G'H'$.

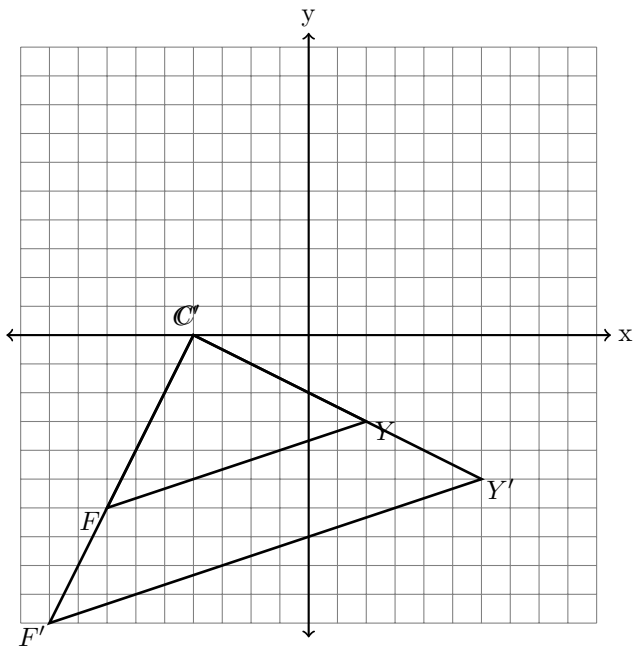4. Given the graph below, describe the transformation that maps $\triangle WGZ$ onto $\triangle W'G'Z'$.

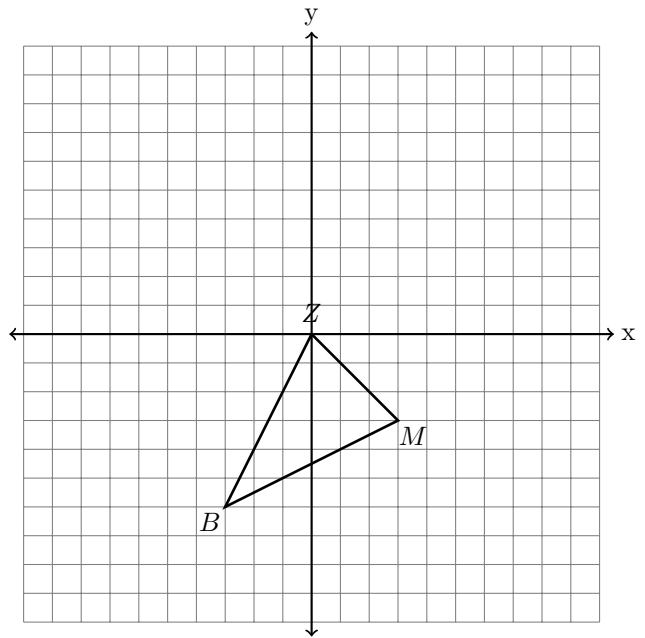5. Given the graph below, describe the transformation that maps $\triangle IKT$ onto $\triangle I'K'T'$.

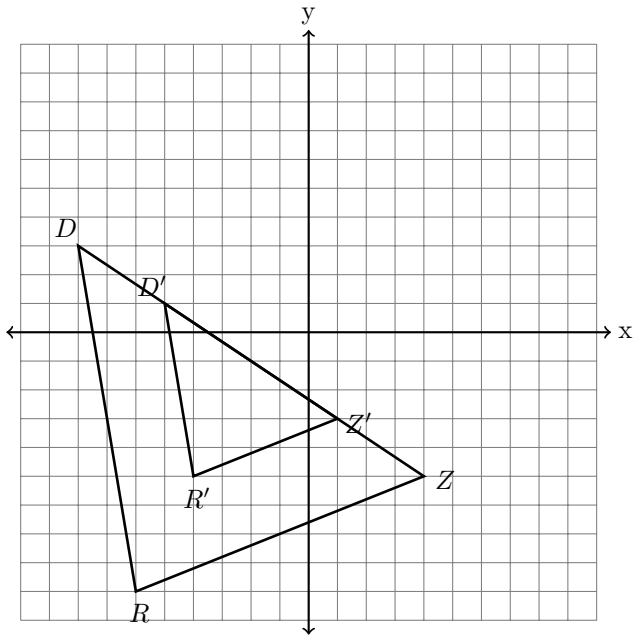6. Given the graph below, describe the transformation that maps $\triangle SWL$ onto $\triangle S'W'L'$.

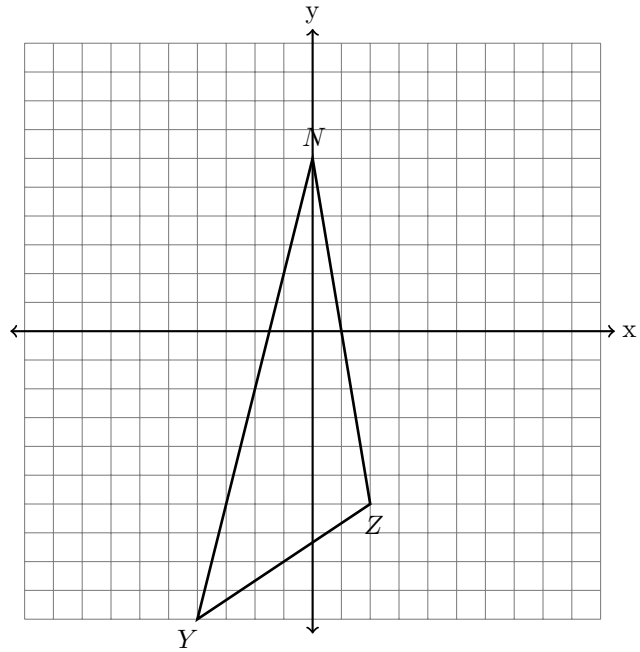7. Given the graph below, describe the transformation that maps $\triangle CFY$ onto $\triangle C'F'Y'$.

8. Given $\triangle ZBM$ below, graph $\triangle Z'B'M'$ after a dilation centered at $(0,0)$ with a scale factor of $\frac{4}{3}$.
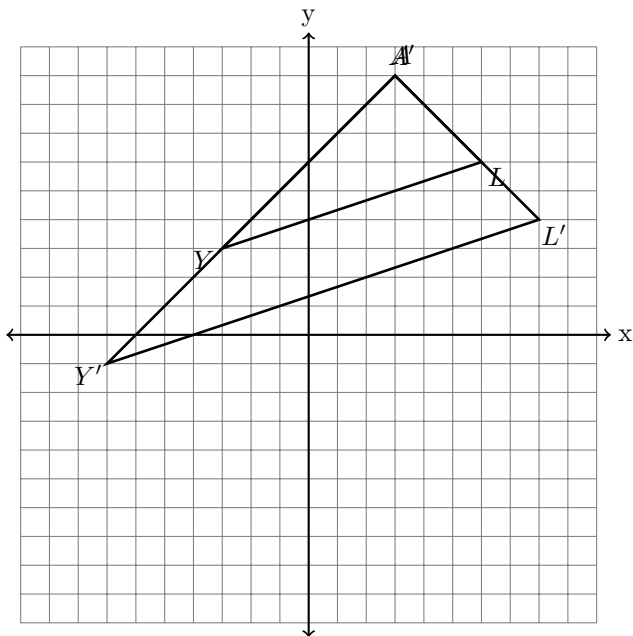
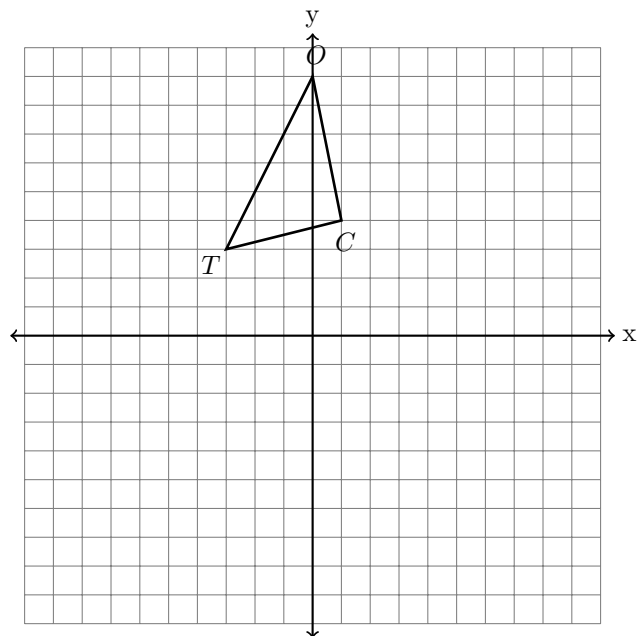9. Given the graph below, describe the transformation that maps $\triangle DZR$ onto $\triangle D'Z'R'$.

10. Given $\triangle NYZ$ below, graph $\triangle N'Y'Z'$ after a dilation centered at $(0,0)$ with a scale factor of $\frac{1}{2}$.
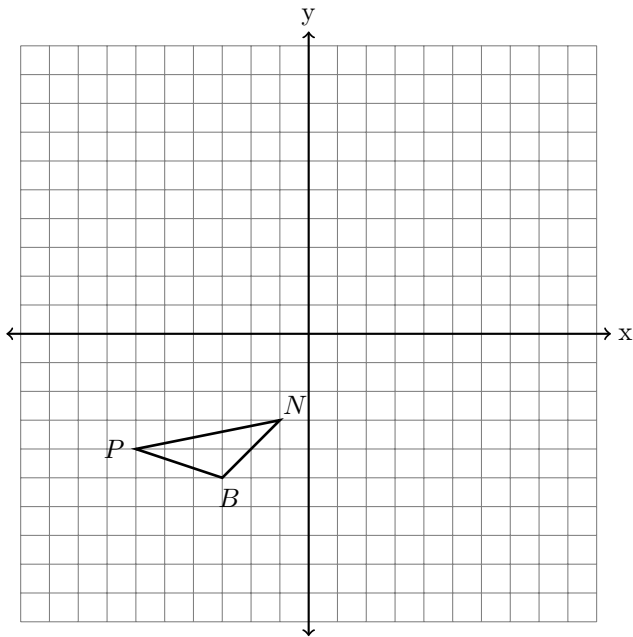
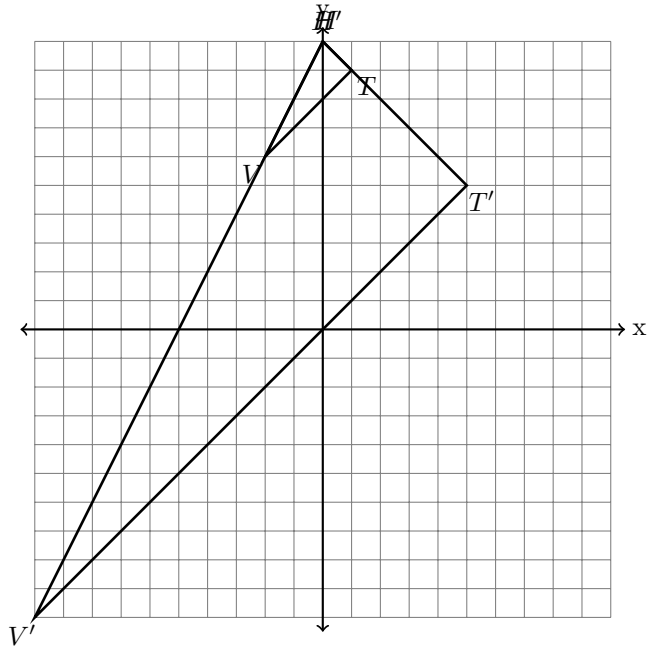11. Given the graph below, describe the transformation that maps $\triangle AYL$ onto $\triangle A'Y'L'$.

12. Given $\triangle OTC$ below, graph $\triangle O'T'C'$ after a dilation centered at $(0,9)$ with a scale factor of 3.
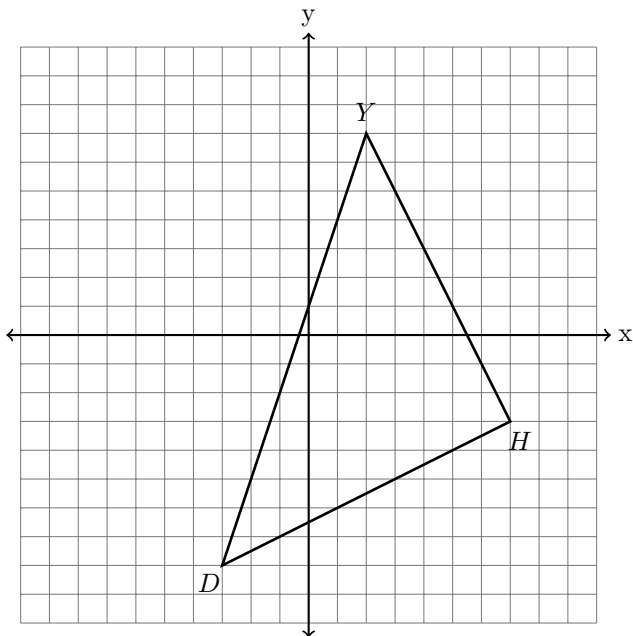
13. Given △BPN below, graph △B′P′N′ after a dilation centered at (−2, 0) with a scale factor of 2.

14. Given the graph below, describe the transformation that maps △HVT onto △H′V′T′.

15. Given △YDH below, graph △Y′D′H′ after a dilation centered at (2, 7) with a scale factor of $\frac{2}{5}$.

16. Given the graph below, describe the transformation that maps △PAS onto △P′A′S′.
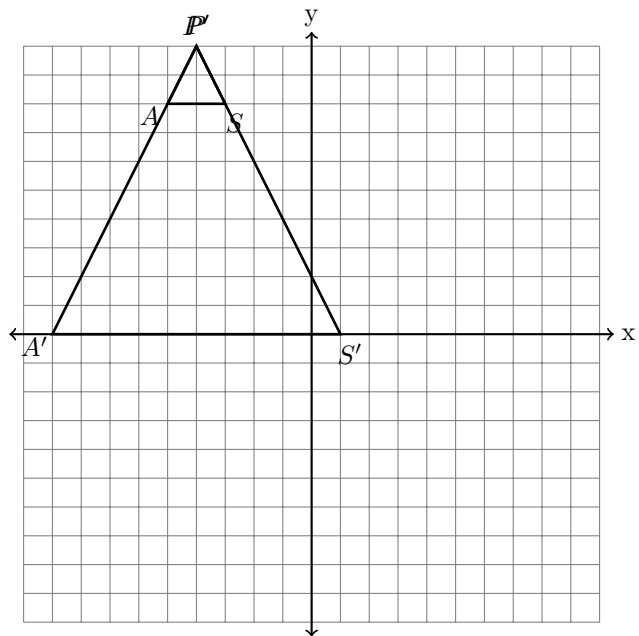
1. $U'(2,5)$
2. $N'(7,-5)$
3. A dilation centered at $(1,6)$ with a scale factor of $\frac{8}{5}$.
4. A dilation centered at $(0,1)$ with a scale factor of $\frac{2}{5}$.
5. A dilation centered at $(-3,0)$ with a scale factor of 5.
6. A dilation centered at $(-5,0)$ with a scale factor of 5.
7. A dilation centered at $(-4,0)$ with a scale factor of $\frac{5}{3}$.
8. $B'(-4,-8)$
9. A dilation centered at $(-2,-1)$ with a scale factor of $\frac{1}{2}$.
10. $Y'(-2,-5)$
11. A dilation centered at $(3,9)$ with a scale factor of $\frac{5}{3}$.
12. $T'(-9,-9)$
13. $P'(-10,-8)$
14. A dilation centered at $(0,10)$ with a scale factor of 5.
15. $D'(0,1)$
16. A dilation centered at $(-4,10)$ with a scale factor of 5.