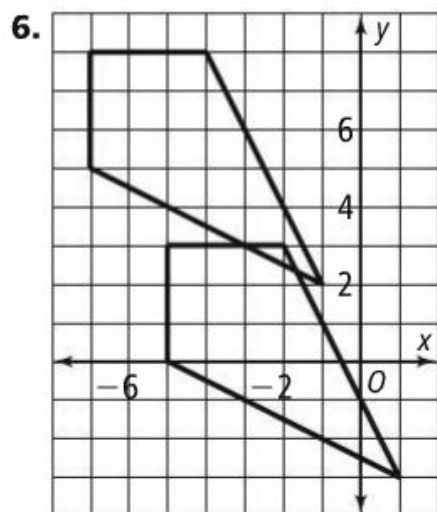
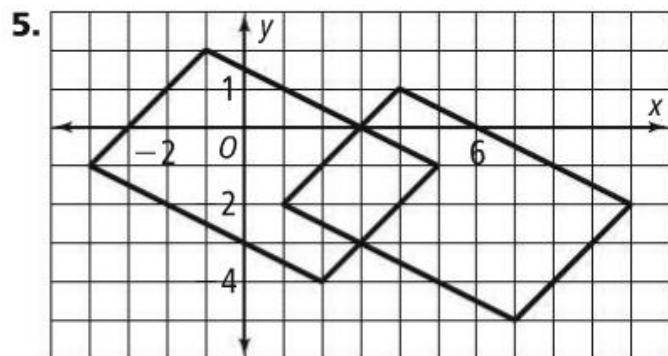
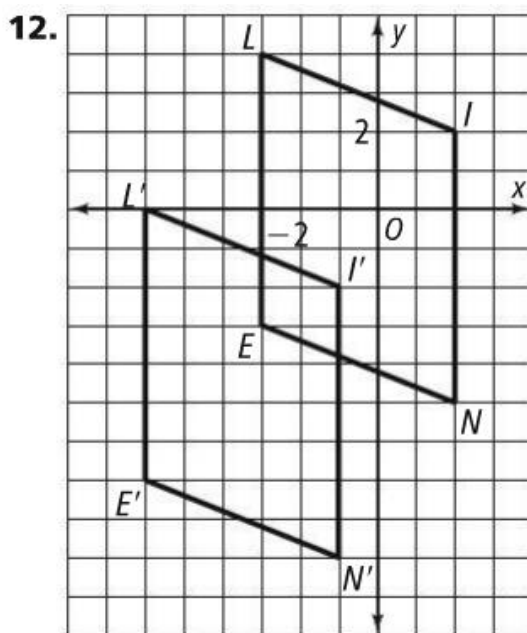


- Yes; the distances between the vertices and the angle measures of the image are the same as in the preimage.
- No; distances between corresponding pairs of points are not equal.



11. P' ; $\overline{T'J'}$



13. $T_{\langle -12, 4 \rangle}(H)$

7. $T_{\langle 1, -1 \rangle}(x, y)$

8. $T_{\langle -4, -3 \rangle}(x, y)$

9. 1 block west and 7 blocks north

10. 24 mi east and 81 mi south

15. The transformation that maps $\triangle ABC$ to $\triangle PQR$ maps A to P and C to R , so it is a reflection, not a translation. The transformation that maps $\triangle ABC$ onto $\triangle RQP$ is a translation.

17. $T_{\langle -3, 1 \rangle}(x, y)$

18. $U'(1, 16), G'(2, 12)$

27. $T_{\langle -2, 14 \rangle}(x, y)$

28. $T_{\langle 13, -2.5 \rangle}(x, y)$