

Name: Answer Key

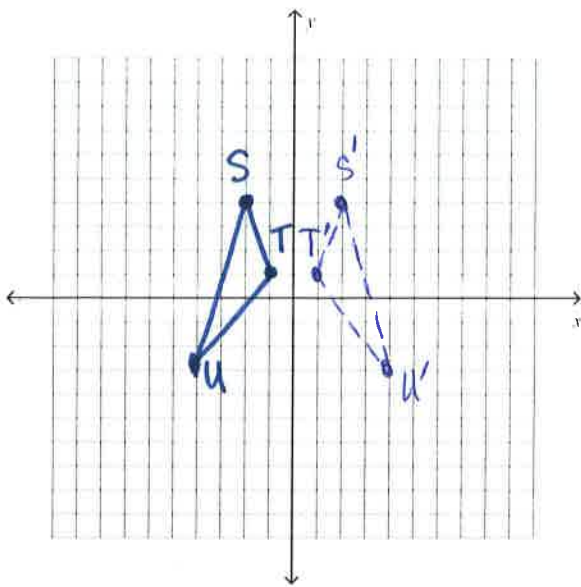
Chapter 10 PRACTICE Test - Calculators Allowed

Draw the triangle with the given vertices.

Then find the coordinates of the vertices of the image after the specified transformation, and draw the new image.

1. $S(-2, 4)$, $T(-1, 1)$, $U(-4, -3)$;

Reflect $\triangle STU$ over the **y-axis**.



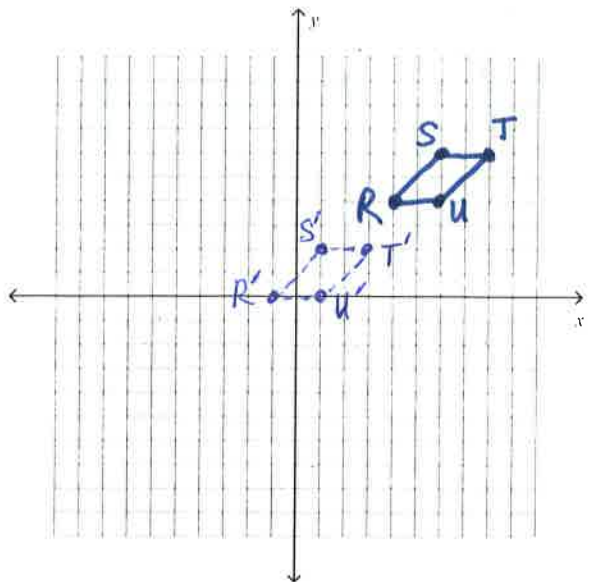
$$\begin{aligned} \underline{S'} & (2, 4) \\ \underline{T'} & (1, 1) \\ \underline{U'} & (4, -3) \end{aligned}$$

Draw the quadrilateral with the given vertices.

Then find the coordinates of the vertices of the image after the specified translation, and draw the new image.

2. $R(4, 4)$, $S(6, 6)$, $T(8, 6)$, $U(6, 4)$;

$$(x, y) \rightarrow (x - 5, y - 4).$$



$$\begin{aligned} \underline{R'} & (-1, 0) \\ \underline{S'} & (1, 2) \\ \underline{T'} & (3, 2) \\ \underline{U'} & (1, 0) \end{aligned}$$

ANSWERS

3) C

4) D

5) C

6) A

7) D

8) C

9) A

10) C

11) C

12) Rotation

13) B

14) Translation