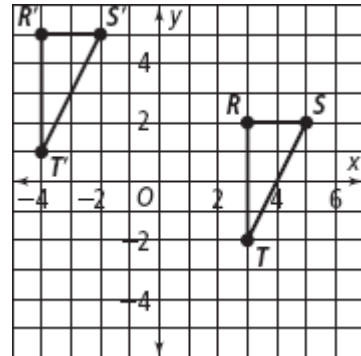


Chapter 9 Review

Do you know HOW?

1. $\triangle R'S'T'$ is a translation image of $\triangle RST$.
What is a rule for the translation?

2. Is a glide reflection a rigid motion? Explain.



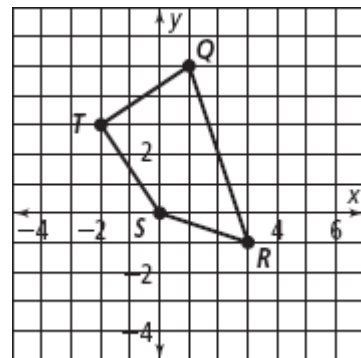
Find the coordinates of the vertices of each image.

3. $R_{y\text{-axis}}(QRST)$

4. $r_{(270^\circ, 0)}(QRST)$

5. $D_5(QRST)$

6. $T_{\langle -2, -5 \rangle}(QRST)$



7. $(R_{y=-2} \circ T_{\langle -4, 0 \rangle})(QRST)$

Identify the rigid motion that maps the solid-line figure onto the dotted-line figure.



Find the image of each point for the given dilation.

10. $L(6, 4); D_{1.2}(L)$

11. $S(-2, -6); D_{0.25}(S)$

12. $W(-3, 2); D_5(W)$

