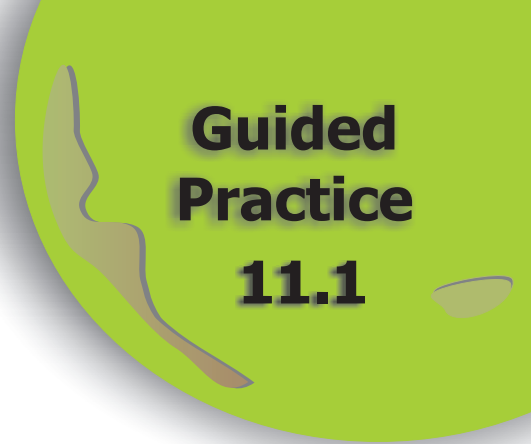


NAME _____

Module 11 Transformation of Shapes
Lesson 1 Translations and Reflections



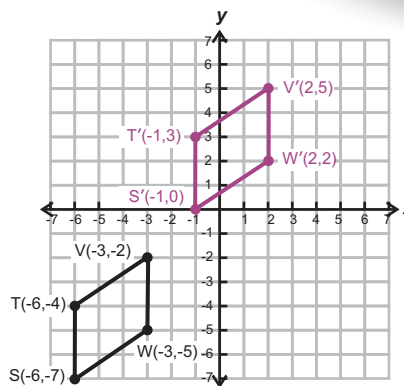
Guided Practice

11.1

Set 1

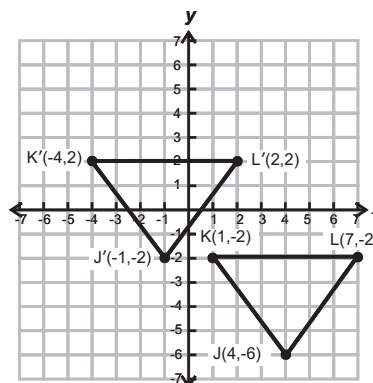
- 1** Create $S'T'V'W'$ using the motion rule $(x, y) \rightarrow (x + 5, y + 7)$.

$S' (-1, 0)$
 $T' (-1, 3)$
 $V' (2, 5)$
 $W' (2, 2)$



- 2** Write the motion rule for the translation of $\triangle JKL$ into $\triangle J'K'L'$.

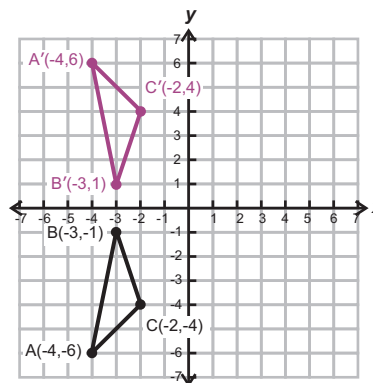
$(x, y) \rightarrow (x - 5, y + 4)$



Set 2

- 1** Reflect $\triangle ABC$ across the x -axis. Give the coordinates of A' , B' , and C' .

$A' (-4, 6)$
 $B' (-3, 1)$
 $C' (-2, 4)$



2

Write the motion rule for the transformation of quadrilateral $QRST$ into quadrilateral $Q'R'S'T'$.

Reflection across the y -axis:
 $(x, y) \rightarrow (-x, y)$

