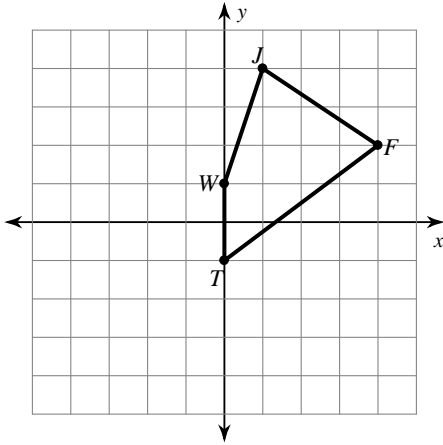


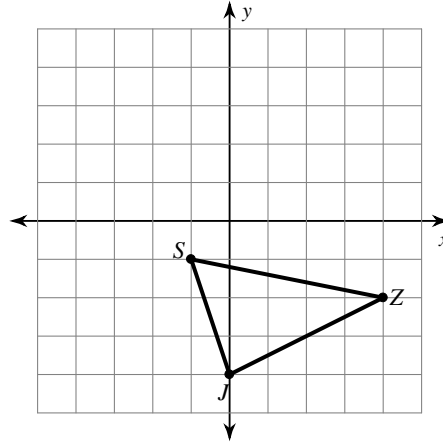
ASSIGNMENT 12: Transformations

Find the coordinates of the vertices of each figure after the given transformation.

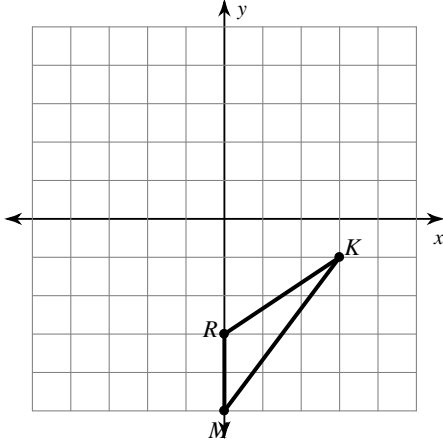
1) reflection across the x-axis



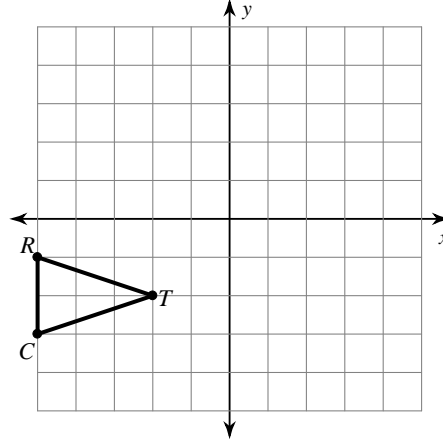
2) translation: 1 unit right



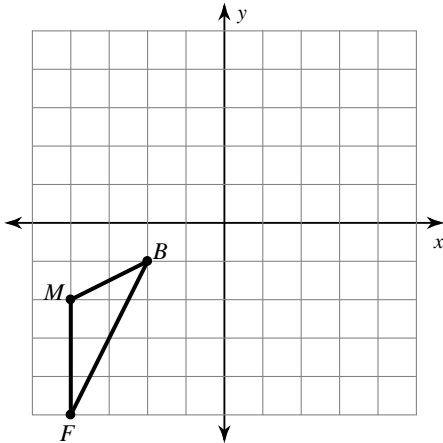
3) translation: 2 units left and 3 units up



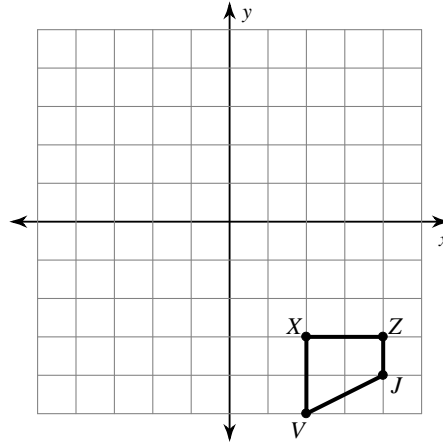
4) translation: 5 units right and 2 units down



5) reflection across the y-axis



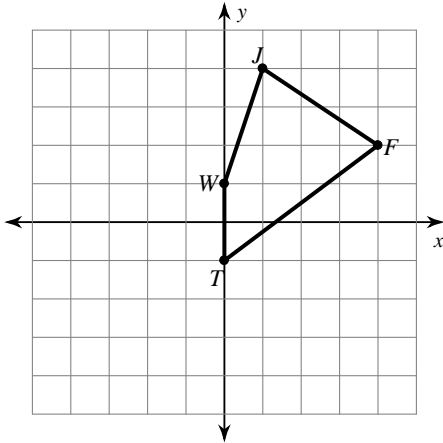
6) translation: 1 unit right and 5 units up



ASSIGNMENT 12: Transformations

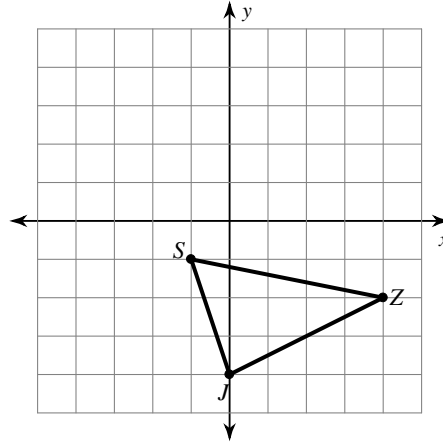
Find the coordinates of the vertices of each figure after the given transformation.

1) reflection across the x-axis



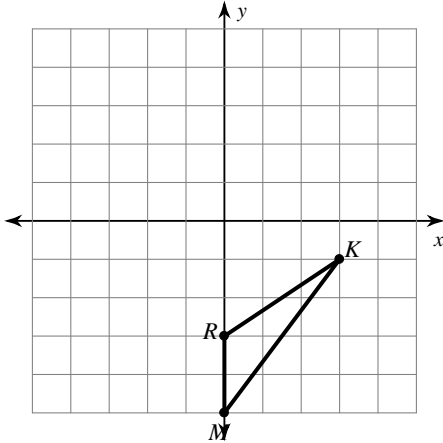
$$J'(1, -4), F'(4, -2), T'(0, 1), W'(0, -1)$$

2) translation: 1 unit right



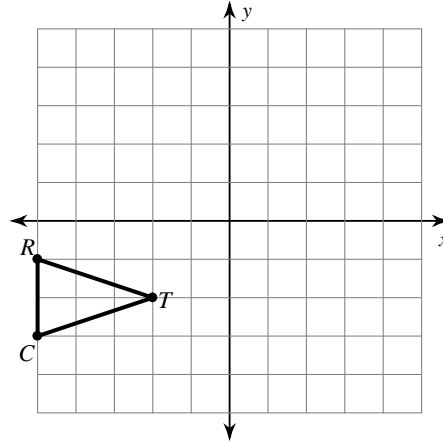
$$J'(1, -4), S'(0, -1), Z'(5, -2)$$

3) translation: 2 units left and 3 units up



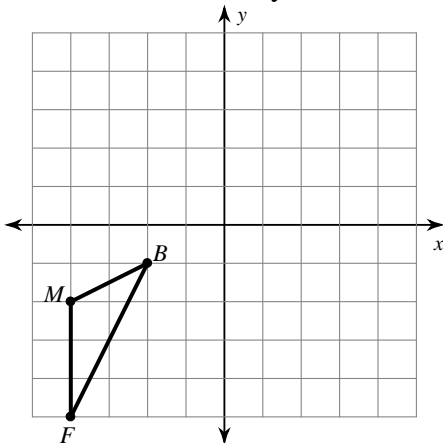
$$M'(-2, -2), R'(-2, 0), K'(1, 2)$$

4) translation: 5 units right and 2 units down



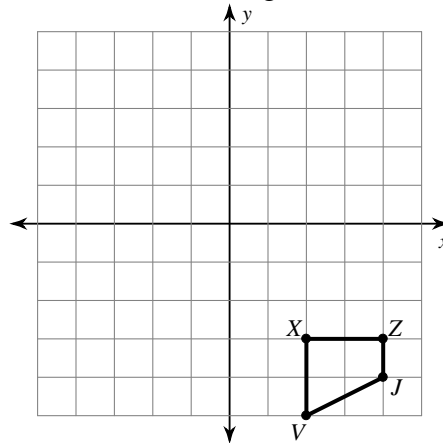
$$C'(0, -5), R'(0, -3), T'(3, -4)$$

5) reflection across the y-axis



$$B'(2, -1), F'(4, -5), M'(4, -2)$$

6) translation: 1 unit right and 5 units up



$$V'(3, 0), X'(3, 2), Z'(5, 2), J'(5, 1)$$