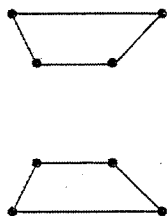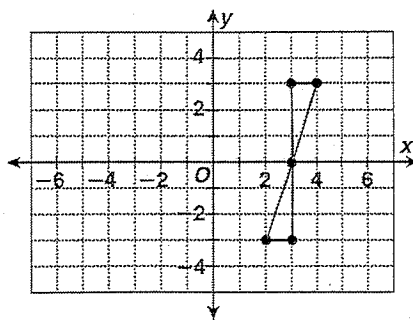**Practice B**

Translations, Reflections, and Rotations

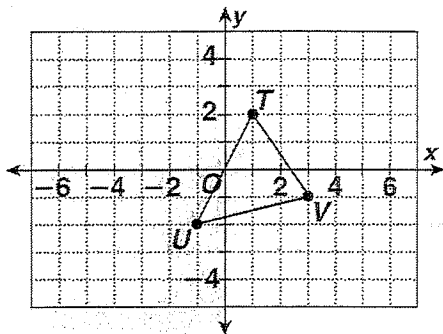**Identify each type of transformation.**
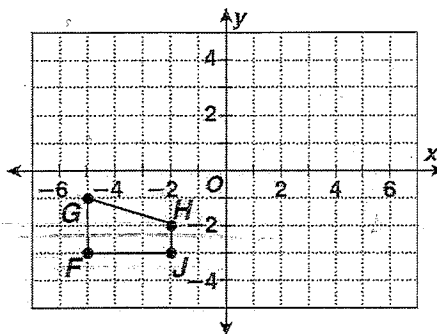
1.

2.

Graph each translation.

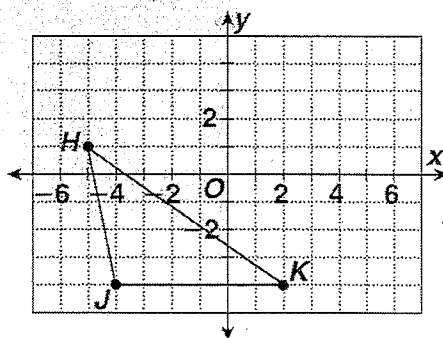3. 5 units to the left and 2 units up
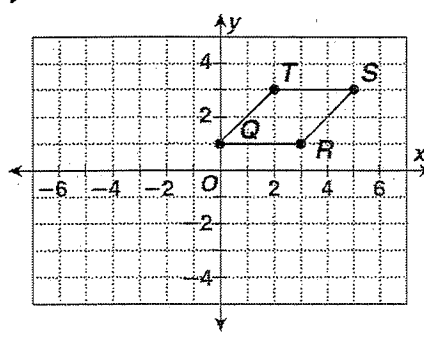

4. 4 units to the right and 3 units up

Graph the reflection of each figure across the indicated axis. Write the coordinates of the vertices of each image.

5. *x*-axis

6. *y*-axis

7. Triangle *DEF* has vertices at $D(0, 0)$, $E(-2, -3)$, and $F(-5, -3)$. Rotate $\triangle DEF$ 90° clockwise about the vertex *D*. Write the coordinates of the vertices of the image.

Holt McDougal Mathematics