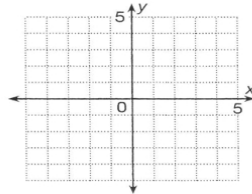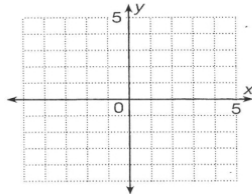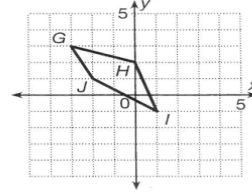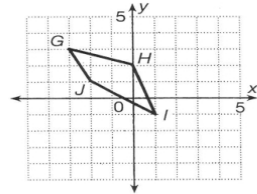Name _____

Graphing Slides and Flips

For Exercises 1–2, use the point $P(2, -1)$ to plot and label P'.

1. Slide P 2 units left and 3 units up.
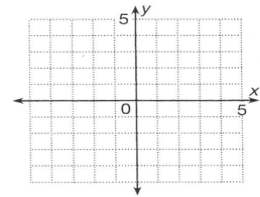

2. Reflect P across the x-axis.

For Exercises 3–4, plot the image of quadrilateral $GHIJ$.

3. Translate $GHIJ$ 2 units right and 2 units down.

4. Slide $GHIJ$ 4 units right and 2 units up.

5. $\triangle ABC$ has vertices at $A(-3, 4)$, $B(1, 3)$, and $C(-2, 0)$.

    a. Draw the graph of $\triangle ABC$.

    b. Create $\triangle A'B'C'$ by translating $\triangle ABC$ 3 units right and 4 units down.

    c. Give the coordinates of the vertices of $\triangle A'B'C'$.

      A' _____ B' _____ C' _____

6. $\triangle LMN$ has vertices at $L(-2, 4)$, $M(1, 2)$, and $N(-4, -1)$.

    a. Draw the graph of $\triangle LMN$.

    b. Create $\triangle L'M'N'$ by reflecting $\triangle LMN$ across the y-axis.

    c. Give the coordinates of the vertices of $\triangle L'M'N'$.

      L' _____ M' _____ N' _____