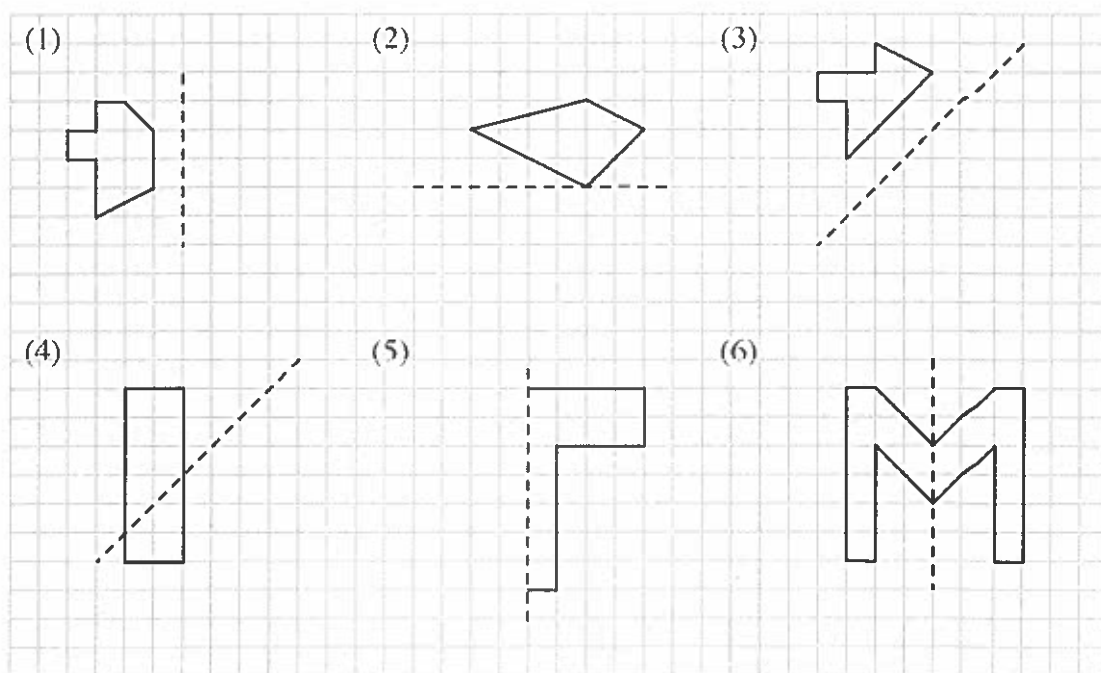
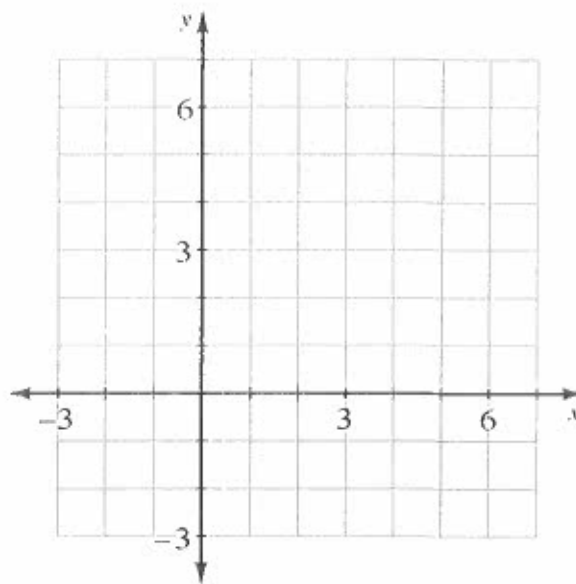


Reflections

- 3-4. On the Lesson 3.1.1 Resource Page provided by your teacher, use your visualization skills to imagine the reflection of each shape across the given line of reflection. Then draw the reflection.

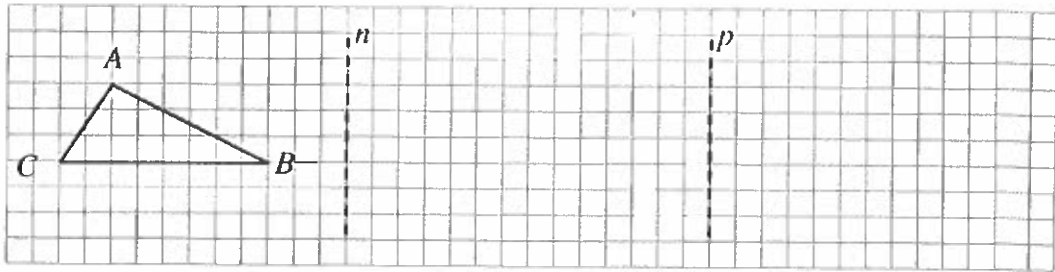


- 3-6. Graph $\triangle GLM$ with vertices $G(1, 3)$, $L(2, 7)$, $M(5, 6)$, and the line $y = x$. Then reflect the triangle over the line $y = x$. What do you observe?

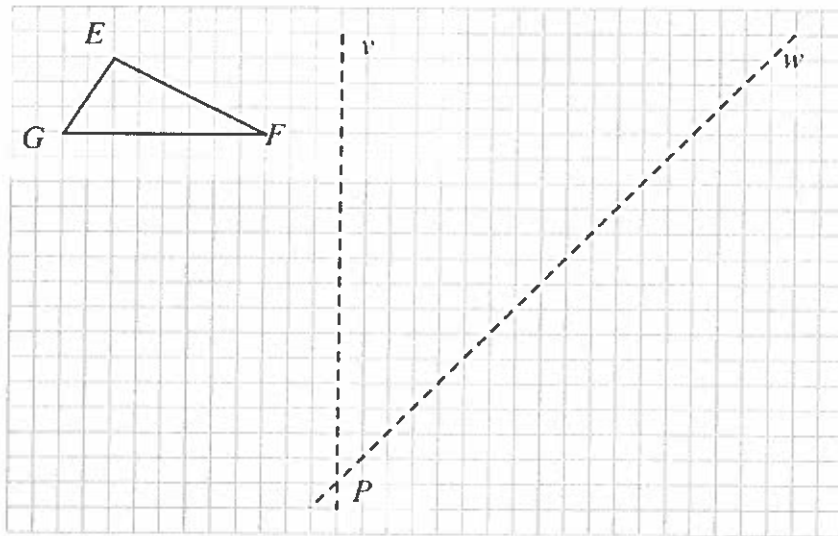


Reflections

- 3-14. What happens when $\triangle ABC$ is reflected across line n to form $\triangle A'B'C'$ and then $\triangle A'B'C'$ is reflected across line p to form $\triangle A''B''C''$? First visualize the reflections. Then test your idea by drawing both reflections. Finally, answer the rest of the questions in the student text.



- 3-15. a. Visualize the result when $\triangle EFG$ is reflected over v to form $\triangle E'F'G'$, and then $\triangle E'F'G'$ is reflected over w to form $\triangle E''F''G''$. Draw the resulting reflections on the resource page. Is the final image a translation of the original triangle? If not, describe the result. After your teacher verifies your answers to part (a), complete parts (b), (c), and (d) as stated in the text.



- e. On the grid below, rotate the "block L" 90° counterclockwise (↺) about Q .

