

9-1 Practice

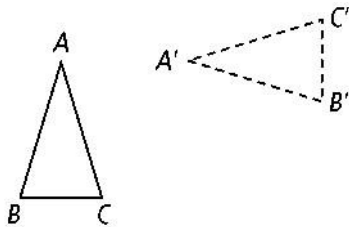
Translations

In each diagram, the dashed-line figure is an image of the solid-line figure.

(a) Choose an angle or point from the preimage and name its image.

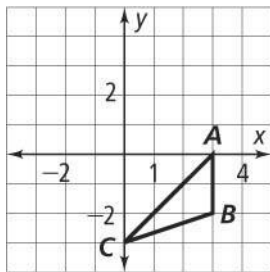
(b) List all pairs of corresponding sides.

1.



Graph the image of each figure under the given translation.

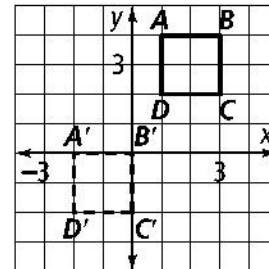
2. $(x, y) \rightarrow (x - 1, y + 4)$



3. Triangle XYZ has coordinates X (2, 3), Y (1, 4), and Z (8, 9). A translation maps X to X' (4, 7). What are the coordinates for Y' and Z' for this translation?

The dashed-line figure is a translation image of the solid-line figure. Write a rule to describe the translation.

4.



5. For the translation rule $(x, y) \rightarrow (x - 3, y + 2)$ Find the image of the figure DEF.

