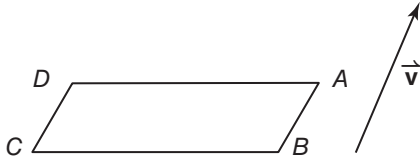


# 9-2 Practice

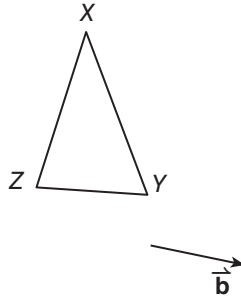
## Translations

Use the figure and the given translation vector. Then draw the translation of the figure along the given translation vector.

1.

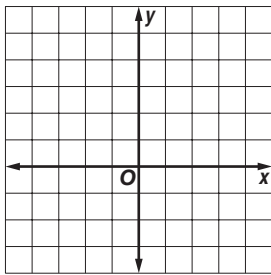


2.

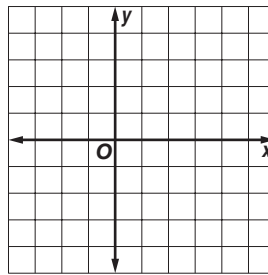


Graph each figure and its image along the given vector.

3. quadrilateral  $TUWX$  with vertices  $T(-1, 1)$ ,  $U(4, 2)$ ,  $W(1, 5)$ , and  $X(-1, 3)$ ;  $\langle -2, -4 \rangle$



4. pentagon  $DEFGH$  with vertices  $D(-1, -2)$ ,  $E(2, -1)$ ,  $F(5, -2)$ ,  $G(4, -4)$ , and  $H(1, -4)$ ;  $\langle -1, 5 \rangle$



**ANIMATION** Find the translation that moves the figure on the coordinate plane.

5. figure 1  $\rightarrow$  figure 2

6. figure 2  $\rightarrow$  figure 3

7. figure 3  $\rightarrow$  figure 4

