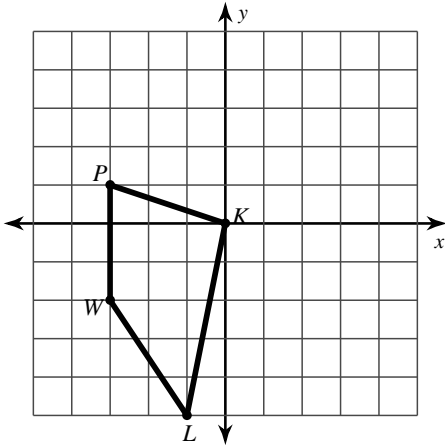Ikaw ay hindi handa na para sa pagwawagi-check!!
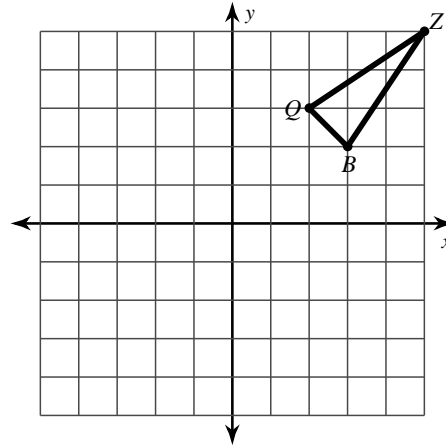
Corrective Assignment 8.1

Graph and label the image of the figure using the transformation given.

1) translation: $(x, y) \rightarrow (x + 1, y + 4)$

2) translation: $(x, y) \rightarrow (x - 5, y - 4)$

Find the coordinates of the vertices of each figure after the given transformation.

3) translation: 1 unit right and 1 unit down
   $H(-5, 0), Y(-2, 1), J(-2, -4)$

4) translation: 2 units down
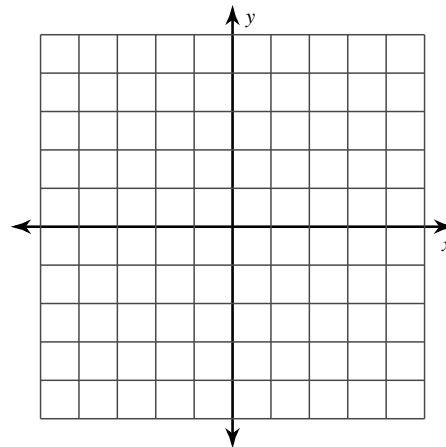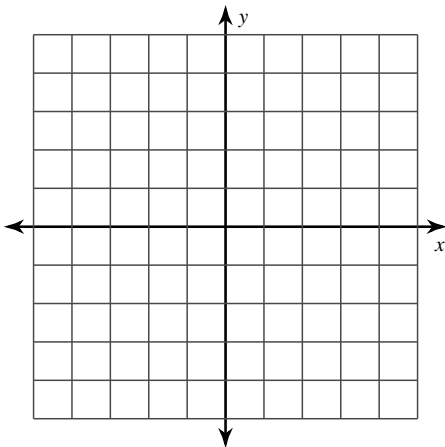 $Z(-5, 0), X(-3, 3), R(-3, -1)$

5) translation: 5 units right and 3 units down
   $G(-4, 0), W(-3, 4), T(-1, 1)$

6) translation: 2 units left and 2 units up
   $Y(1, 2), B(4, 3), K(4, 2)$

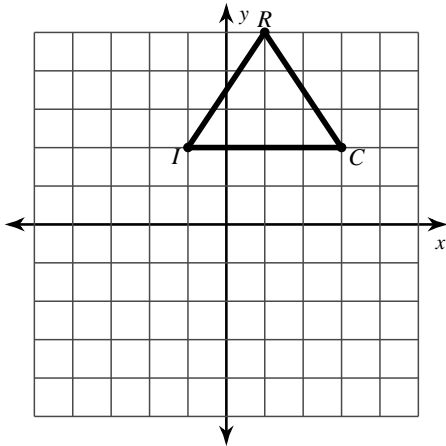**Graph the image and the preimage of the figure using the transformation given.**

7) translation: $(x, y) \rightarrow (x + 6, y - 2)$
   $U(-4, 0), H(-4, 3), N(-2, 3)$

8) translation: $(x, y) \rightarrow (x - 1, y)$
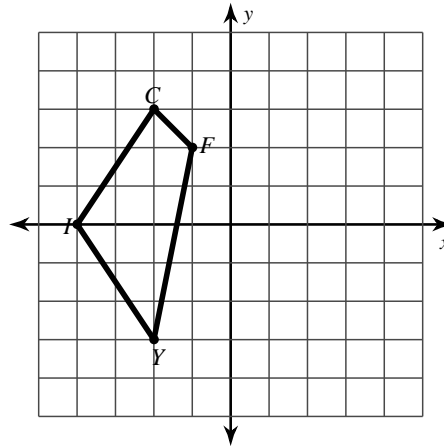 $M(1, -3), H(1, 1), A(4, -1)$

Graph the image and the preimage of the figure using the transformation given.
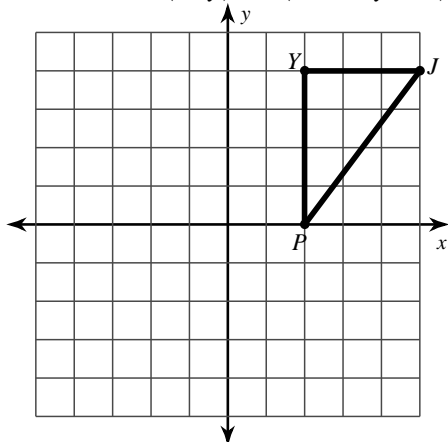
9) translation: $(x, y) \rightarrow (x - 2, y - 5)$

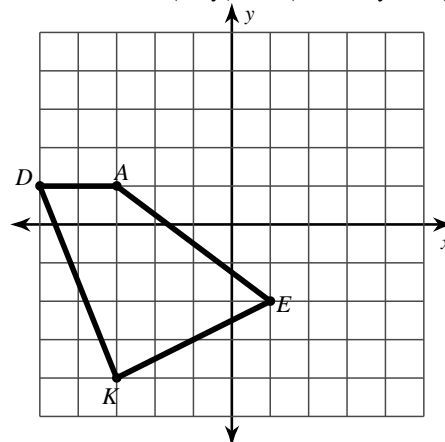10) translation: $(x, y) \rightarrow (x, y + 2)$

Find the coordinates of the vertices of each figure after the given transformation.

11) translation: $(x, y) \rightarrow (x - 7, y - 1)$

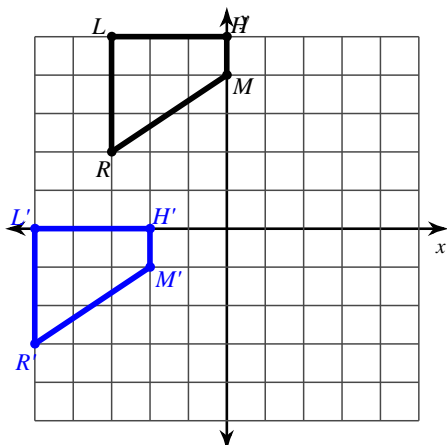12) translation: $(x, y) \rightarrow (x + 4, y - 1)$

13) translation: $(x, y) \rightarrow (x - 6, y - 1)$
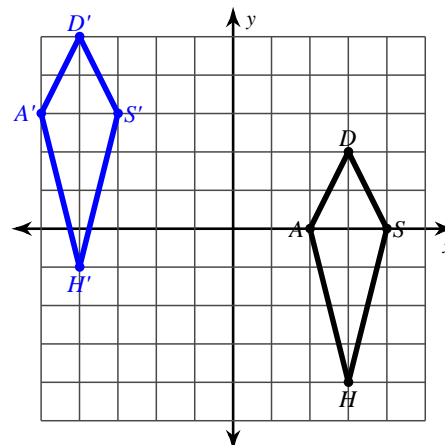$V(2, 3), E(3, 5), A(4, 3), W(3, -1)$

14) translation: $(x, y) \rightarrow (x + 4, y + 5)$
$P(-3, -5), W(-5, -1), V(-2, 0), R(0, -4)$

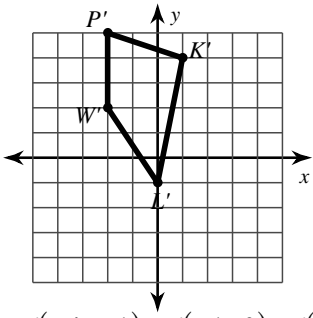**Write an algebraic rule to describe each transformation.**

15)

16)

17) $J(-5, -2), T(-4, 0), G(0, -2), W(-3, -5)$
to
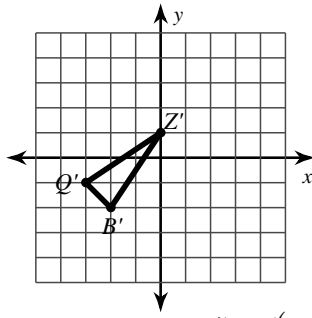$J'(-4, -2), T'(-3, 0), G'(1, -2), W'(-2, -5)$

18) $S(-4, 2), D(-4, 4), E(-3, 5), U(-1, 3)$
to
$S'(-5, -1), D'(-5, 1), E'(-4, 2), U'(-2, 0)$

Answers to Corrective Assignment 8.1
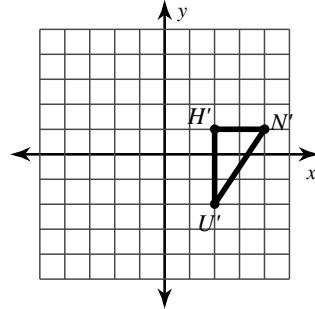
1)

2)

3) $H'(-4, -1)$, $Y'(-1, 0)$, $J'(-1, -5)$

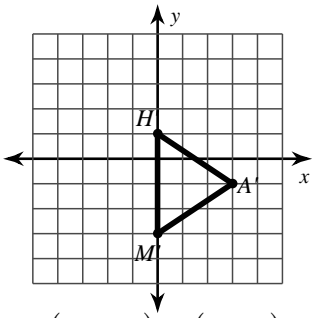4) $Z'(-5, -2)$, $X'(-3, 1)$, $R'(-3, -3)$

5) $G'(1, -3)$, $W'(2, 1)$, $T'(4, -2)$

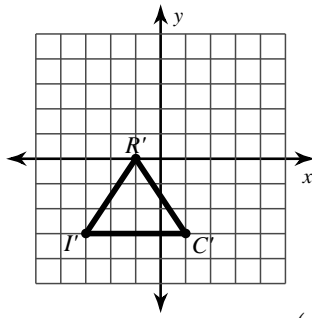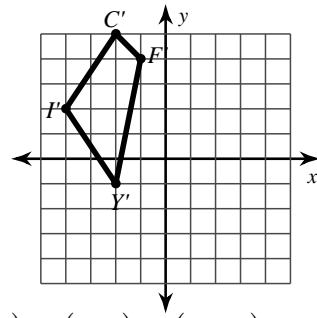6) $Y'(-1, 4)$, $B'(2, 5)$, $K'(2, 4)$

7)

8)

9)

10)

11) $P'(-5, -1)$, $Y'(-5, 3)$, $J'(-2, 3)$

12) $K'(1, -5)$, $D'(-1, 0)$, $A'(1, 0)$, $E'(5, -3)$

13) $V'(-4, 2)$, $E'(-3, 4)$, $A'(-2, 2)$, $W'(-3, -2)$

14) $P'(1, 0)$, $W'(-1, 4)$, $V'(2, 5)$, $R'(4, 1)$

15) translation: $(x, y) \rightarrow (x - 2, y - 5)$

16) translation: $(x, y) \rightarrow (x - 7, y + 3)$

17) translation: $(x, y) \rightarrow (x + 1, y)$

18) translation: $(x, y) \rightarrow (x - 1, y - 3)$