We have some more practice!

Corrective Assignment 8.2
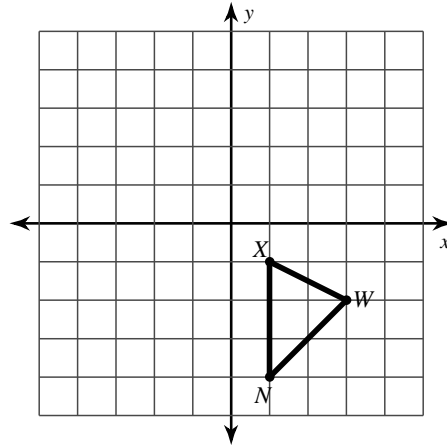
Graph and label the image of the figure using the transformation given.

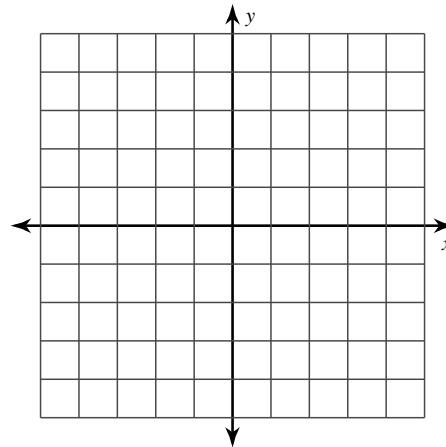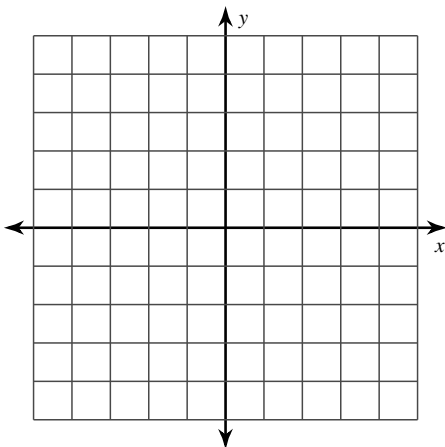1) reflection across $y = -x$
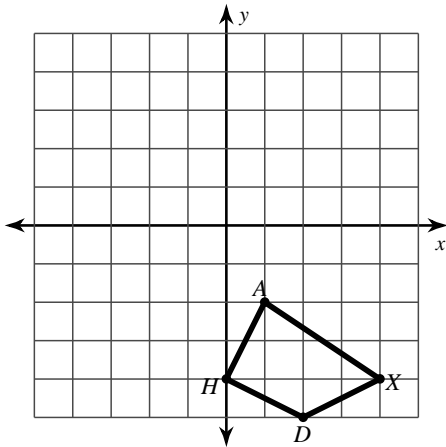
2) reflection across the x-axis

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

3) reflection across $y = 1$
$C(-5, -1)$, $E(-3, 0)$, $M(-1, -3)$

4) reflection across the x-axis
$N(-5, 2)$, $G(-3, 4)$, $Q(-1, -1)$

5) reflection across $y = x$
$U(-3, -1)$, $B(-2, 3)$, $I(1, 0)$

6) reflection across $x = -1$
$Q(-4, 2)$, $A(-2, 5)$, $G(-1, 3)$

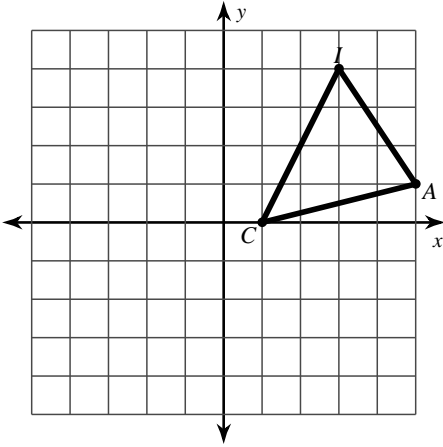**Graph the image and the preimage of the figure using the transformation given.**

7) reflection across $x = 1$
$C(2, -3)$, $L(3, 1)$, $Y(5, 1)$

8) reflection across the y-axis
$A(1, -3)$, $G(2, -2)$, $W(3, -4)$
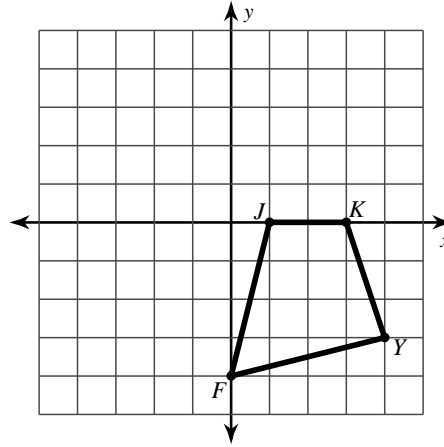
Graph the image and the preimage of the figure using the transformation given.
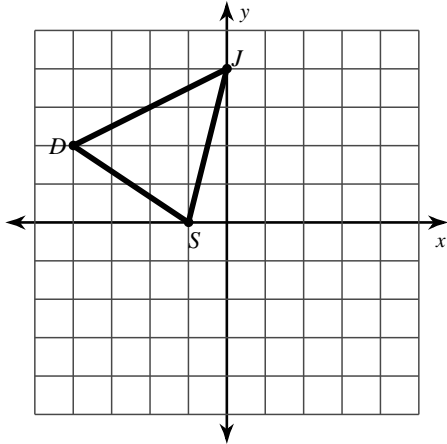
9) reflection across $y = x$
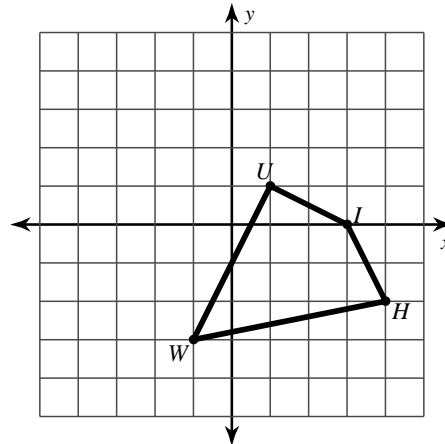

10) reflection across $y = -1$

Find the coordinates of the vertices of each figure after the given transformation. Then graph the reflection.

11) reflection across the x-axis

12) reflection across $x = 1$
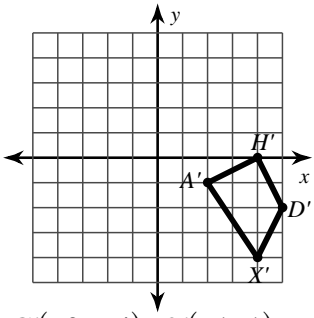

13) reflection across the y-axis

$R(-5, -5), X(-4, -1), T(1, -3), A(-1, -5)$
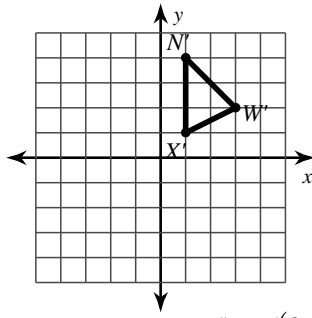
14) reflection across $y = -x$

$U(1, -4), D(2, -2), H(3, -4), E(3, -5)$

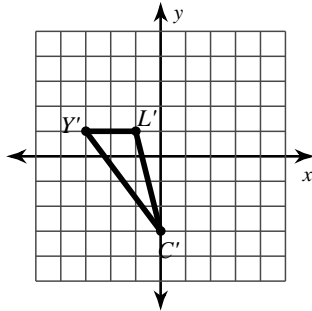# Answers to Corrective Assignment 8.2

1)

2)

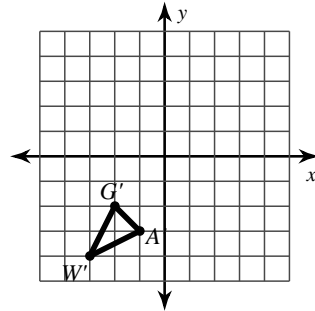3) $E'(-3, 2), M'(-1, 5), C'(-5, 3)$

4) $G'(-3, -4), Q'(-1, 1), N'(-5, -2)$

5) $B'(3, -2), I'(0, 1), U'(-1, -3)$

6) $A'(0, 5), G'(-1, 3), Q'(2, 2)$
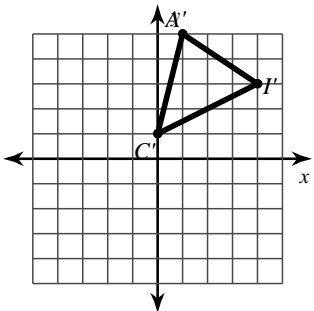
7)
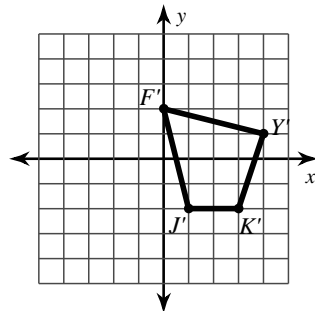

8)

9)

10)

11) $J'(0, -4), S'(-1, 0), D'(-4, -2)$

12) $U'(1, 1), I'(-1, 0), H'(-2, -2), W'(3, -3)$

13) $X'(4, -1), T'(-1, -3), A'(1, -5), R'(5, -5)$

14) $D'(2, -2), H'(4, -3), E'(5, -3), U'(4, -1)$