Geometry   Name_____

Translations Worksheet   Date_____ Period____
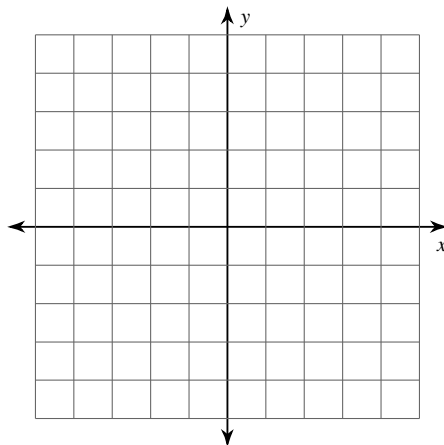**Graph the image of the figure using the transformation given.**

1) translation: 4 units left and 1 unit up
   $L(1, -3)$, $U(4, 1)$, $P(5, -1)$

2) translation: 4 units right and 1 unit up
   $T(-5, 2)$, $F(-5, 3)$, $B(-4, 4)$, $C(-1, 3)$

Write a rule to describe each transformation.

3) $A(-4, 0)$, $J(-4, 3)$, $V(1, 2)$
              to
    $A'(-5, -1)$, $J'(-5, 2)$, $V'(0, 1)$

   A) translation: 4 units right and 2 units down
   B) translation: 1 unit right and 3 units down
   C) translation: 1 unit left and 1 unit down
   D) translation: 1 unit left and 2 units down

4) $C(0, -3)$, $V(-3, 1)$, $G(-1, 4)$, $W(2, -1)$
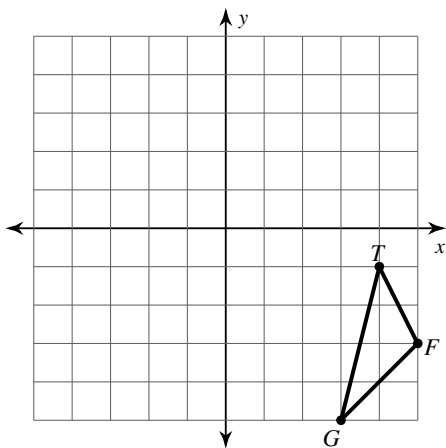   to
    $C'(-2, -2)$, $V'(-5, 2)$, $G'(-3, 5)$, $W'(0, 0)$
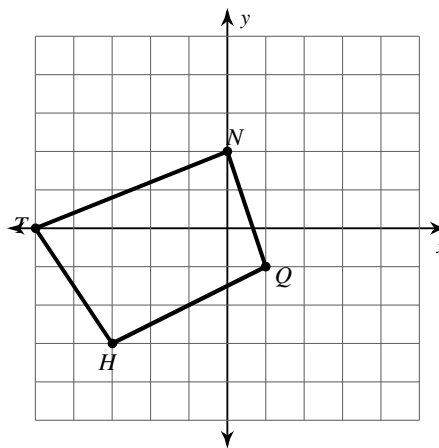
   A) translation: 2 units left and 1 unit up
   B) translation: 1 unit up
   C) translation: 2 units down
   D) translation: 2 units left and 2 units down

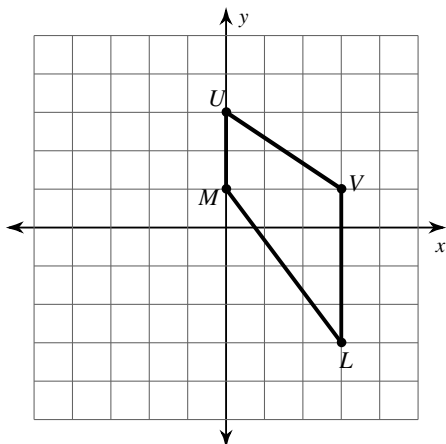**Graph the image of the figure using the transformation given.**

5) translation: $(-8, 3)$

6) translation: $(0, 1)$

7) translation: $(2, 1)$

8) translation: $(-2, 0)$