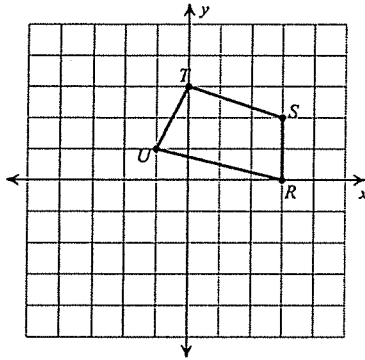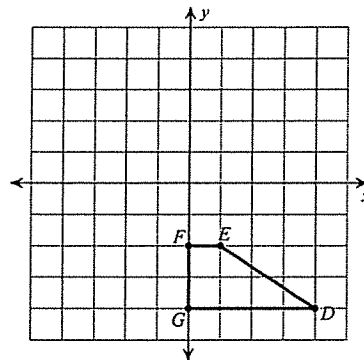# Transformations Test Review

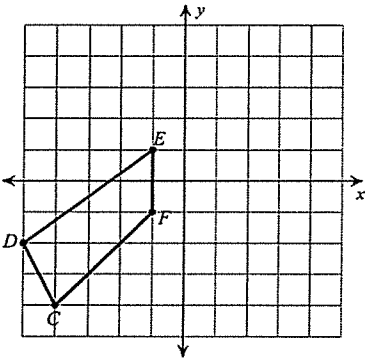**Graph the image of the figure using the transformation given.**
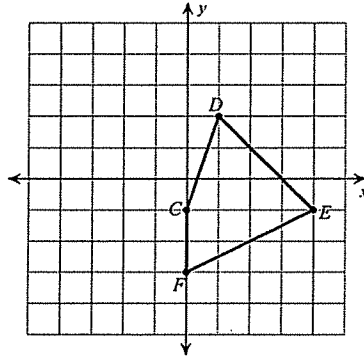
1) translation: 2 units right and 1 unit down

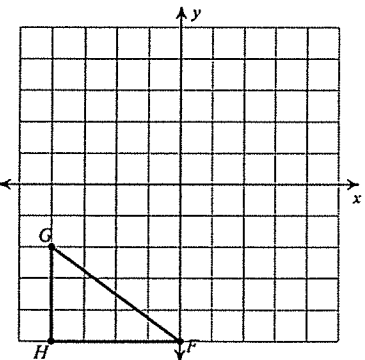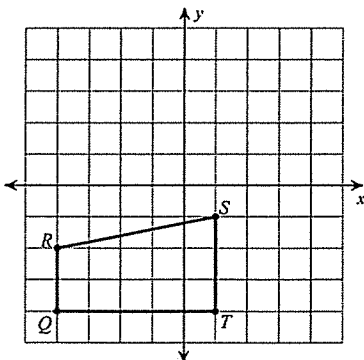2) translation: $(x, y) \rightarrow (x - 2, y + 5)$

3) reflection across $x = -1$

4) reflection across the y-axis

5) reflection across the x-axis

6) rotation 90° counterclockwise about the origin

Dilations Review

Name_____

1- With the points (-4, -2) (1, -3) (2, -5) (-1, 7).
What are the new points if the **scale factor** of dilation is **3**?

_____   _____   _____   _____

2- With the points (8, 4) (-6, -6) (-10, 12) (2, -4).

What are the new points if the **scale factor** of dilation is $\frac{1}{2}$?

_____   _____   _____   _____

3- (2, 3), (-3, 2), and (2, -2) is going to be enlarged by **a scale factor of 2.5**

What are **the new coordinates** of
the triangle?

_____   _____   _____

Graph the new triangle.