Transformations Unit

Lesson #2: Reflections

Graph each figure and its image under the given **reflection**.
Find the coordinates of the vertices of each image. ***Label all points***.
Then, pat yourself on the back for a job well done.

a. ΔEFG if E(-1, 2), F(2, 4) and G(2, -4) reflected over the y-axis.

b. ΔPQR if P(1, 2), Q(4, 4) and R(2, -3) reflected over the x-axis.

c. ΔABC with vertices A(2,3), B(4, 1), and C(2, 1) reflected over the x-axis.

d. ΔABC if A (0, 3), B(1, -1), and C(-2, -2) reflected over the line y-axis.

e) ΔBEL if B(-2, 3), E(2, 4), and L(3, 1) reflected over the line $y = x$.

f) Quadrilateral VWXY if V(0, -1), W(1, 1), X(4, -1), and Y(1, -5) reflected over the line $y = x$.

g) Parallelogram TINK if T(-1, 1), I(3, 0), N(4, -3) and K(0,-2) reflected over $y = x$.