**Unit 1 Day 4 Practice: Reflections Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Graph the image using the transformation given, and give the algebraic rule as requested**

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

E’ \_\_\_\_\_F’ \_\_\_\_\_G’ \_\_\_\_\_Rule:  | 1. ΔPQR if P(-3, 4), Q(4, 4) and R(2, -3) reflected over the x-axis.

P’ \_\_\_\_\_Q’ \_\_\_\_\_R’ \_\_\_\_\_Rule:  |
| 1. Quadrilateral VWXY if V(0, -1), W(1, 1), X(4, -1), and Y(1, -5) reflected over the line y = x.

**V’ \_\_\_\_\_****W’ \_\_\_\_\_****X’ \_\_\_\_\_****Y’ \_\_\_\_\_\_**Rule:  | 1. ΔBEL if B(-2, 3), E(2, 4), and L(3, 1) reflected over the line .

B’ \_\_\_\_\_E’ \_\_\_\_\_L’ \_\_\_\_\_Rule:  |
| 1. Square SQUR if S(1, 2), Q(2, 0), U(0, -1), and R(-1, 1) reflected over the line .

S’ \_\_\_\_\_ Q’ \_\_\_\_\_ U’ \_\_\_\_\_ R’ \_\_\_\_\_   | 1. Quadrilateral MATH if M(1, 4), A(-1, 2), T(2, 0) and H(4, 0) reflected over .

M’ \_\_\_\_\_A’ \_\_\_\_\_ T’ \_\_\_\_\_ H’ \_\_\_\_\_   |

Write a specific description of each transformation and give the algebraic rule, as requested.

7. 8.

 

Algebraic Rule:

Description:

Description:

Find the image of the following transformations and give a specific description.
*Hint:* If you get stuck, review the Checkpoints after today’s activities. ☺

9. The points (2,4), (3,1), (5,2) are reflected with the rule 


Description:

Vertices of Reflection:

10. The points (2,4), (3,1), (5,2) are reflected with the rule 



Vertices of Reflection:

Description:

Notation: