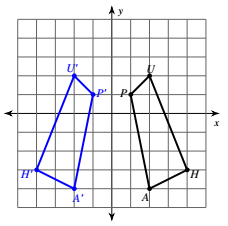
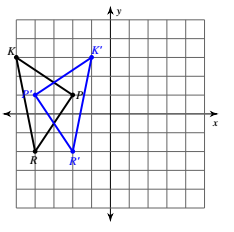
**Unit 1 Day 4 Practice: Reflections Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**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.

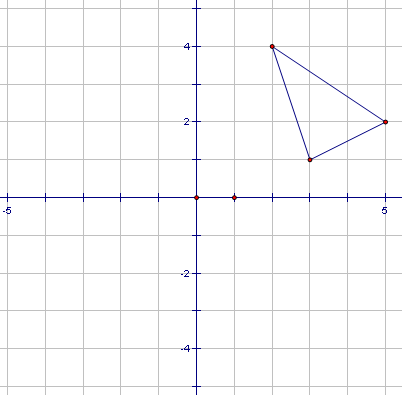
 

Algebraic Rule:

Description:

Description:

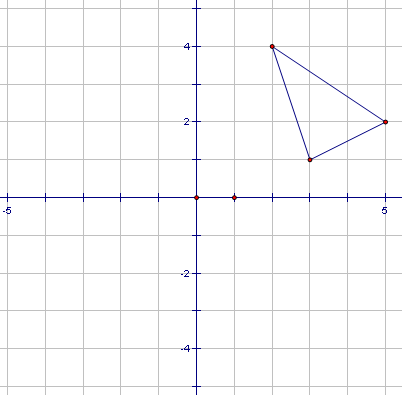
Find the image of the following transformations and give a specific description.   
*Hint:* If you get stuck, review the Checkpoints after today’s activities. ☺

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: