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| **Day 4 Homework** |

 **Graph the image using the transformation given, write the proper notation, and give the algebraic rule as requested***.*

1. reflection across the y-axis 2) reflection across y = x

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Notation:

Algebraic Rule:

Notation:

Algebraic Rule:

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Notation:

Algebraic Rule:

Notation:

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Algebraic Rule:

**Find the coordinates of the vertices of each figure after the given transformation and give the algebraic rule, as requested. *(Hint:* Using graph paper may help on these!)**

7) Reflection across the x-axis 8) Reflection across y = -x
 K(1, -1), N(4, 0), Q(4, -4) R(-3, -5), N(-4, 0), V(-2, -1), E(0, -4)

Algebraic Rule:

Algebraic Rule:

9) Reflection across x = 3 10) Reflection across x = -1
 F(2, 2), W(2, 5), K(3, 2) V(-3, -1), Z(-3, 2), G(-1, 3), M(1, 1)

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

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Algebraic Rule:

Description:

Description:

 13) 14)



Algebraic Rule:

Algebraic Rule:

Description:

Description: