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| **Rotations – Homework** |

 **Graph the image of the figure using the transformation given. Also, give the coordinates of the image, the algebraic rule, and the proper notation for the transformation.**

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Coordinates:

Algebraic Rule:

Notation:

Coordinates:

Algebraic Rule:

Notation:

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Coordinates:

Algebraic Rule:

Notation:

Coordinates:

Algebraic Rule:

Notation:

Coordinates:

Algebraic Rule:

Notation:

Coordinates:

Algebraic Rule:

Notation:

**Identify the coordinates of the vertices for each figure after the given transformation. Also, give the algebraic rule for each transformation.**

7) rotation 180° about the origin 8) rotation 180° about the origin
 Z(-1, -5), K(-1, 0), C(1, 1), N(3, -2) L(1, 3), Z(5, 5), F(4, 2)

Vertices:

Algebraic Rule:

Vertices:

Algebraic Rule:

**Write a specific description of each transformation AND give the algebraic rule.**

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Description:

Algebraic Rule:

Description:

Algebraic Rule:

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Description:

Algebraic Rule:

Description:

Algebraic Rule: