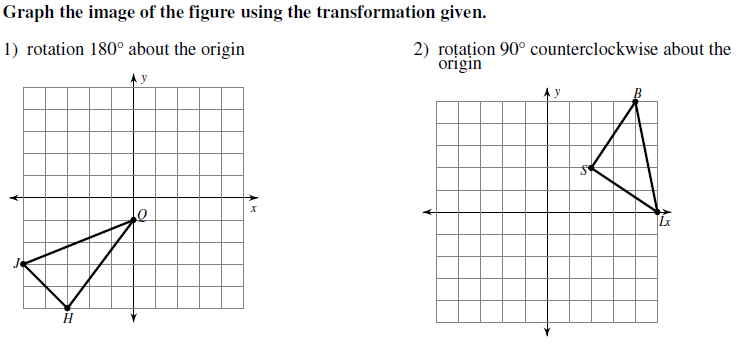
|  |
| --- |
| **Rotations – Homework** |

**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.**

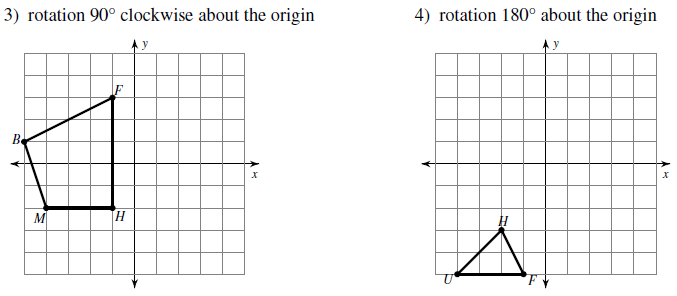
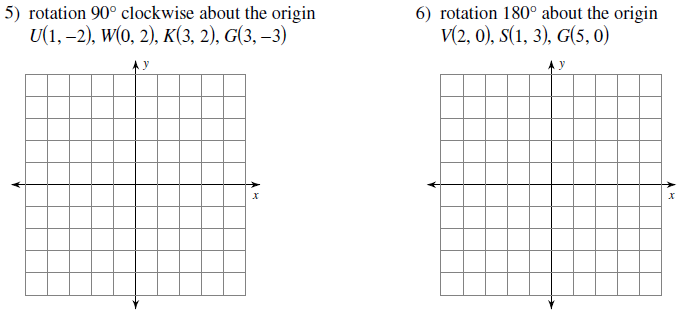
**

Coordinates:

Algebraic Rule:  
  
  
Notation:

Coordinates:

Algebraic Rule:  
  
  
Notation:

*  
  
  
*

Coordinates:

Algebraic Rule:  
  
  
Notation:

Coordinates:

Algebraic Rule:  
  
  
Notation:

Coordinates:

Algebraic Rule:  
  
  
Notation:

Coordinates:

Algebraic Rule:  
  
  
Notation:

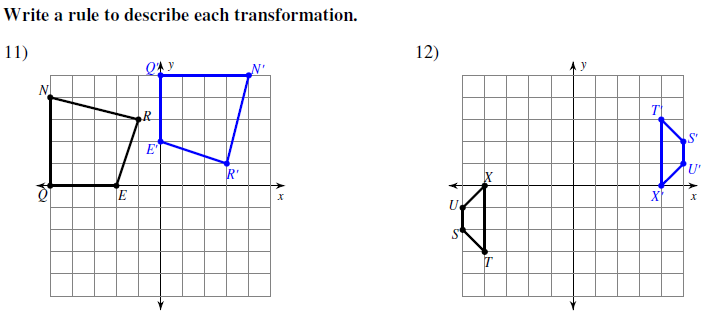
**Identify the coordinates of the vertices for each figure after the given transformation. Also, give the algebraic rule for each transformation.**

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.**

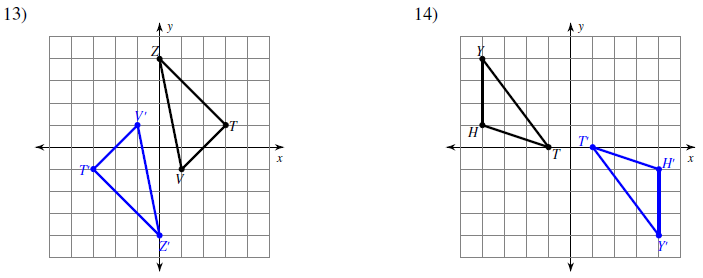
**

Description:

Algebraic Rule:

Description:

Algebraic Rule:

**

Description:

Algebraic Rule:

Description:

Algebraic Rule: