

Transformations Worksheet

Directions: Fill in the table with algorithms for each of the given transformations.

Reflection across the x-axis	
Reflection across the y-axis	
Rotation by a quarter circle	
Rotation by a half circle	
Translation up, down, left, or right	

Directions: For each of the following shapes, first draw the given figure on graph paper, and then apply each of the five transformations to it (for translation, translate up and right only). Attach your graph paper to this sheet. Please keep in mind that you can draw the figure anywhere on the graph you wish, but remember that certain transformations will be different depending on where the figure is located.

1. Square

3. Circle

5. Trapezoid

2. Triangle

4. Star

6. Kite