

Transformation Tag

Name: _____

Little Theophilus Triangle is such an active fellow. He is constantly running all around the coordinate plane. Complete the transformations below and see if you can figure out where he ended up. Draw each move on the grid provided, numbering each move and labeling the vertices. Complete the table below.

Transformation	Point 1	Point 2	Point 3
Starting position.			
1. Translate down 3 and right 4.			
2. Reflect on the y-axis.			
3. $(x, y) \rightarrow (x - 5, y - 4)$			
4. Reflect on the x-axis.			
5. Reflect on the y-axis.			
6. $(x, y) \rightarrow (x + 3, y + 3)$			
7. Reflect on the x-axis.			
8. Reflect on the y-axis.			
9. $(x, y) \rightarrow (x - 14, y)$			
$(x, y) \rightarrow (x, y - 16)$			