

NAME: _____

P.I. G.G.54: Define, investigate, justify, and apply isometries in the plane (rotations, reflections, translations, glide reflections)

1. Which type of isometry is the equivalent of three reflections in parallel lines?
2. Which type of isometry is the equivalent of two reflections in parallel lines?
3. Which type of isometry is the equivalent of two reflections in intersecting lines?
4. Which type of isometry is the equivalent of two reflections in perpendicular lines?
5. Which type of isometry is the equivalent of two reflections in two horizontal lines?
6. Which type of isometry is the equivalent of two reflections in both the x and y axes?
7. Which type of isometry is the equivalent of two reflections in two vertical lines?
8. Which type of isometry is the equivalent of three reflections in two parallel lines and another line perpendicular to them?

[1] reflection

[2] translation

[3] rotation

[4] rotation

[5] translation

[6] rotation

[7] translation

[8] glide reflection