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 two reflections in two horizontal lines?

   [A] rotation [B] translation

   [C] reflection [D] dilation

2. Which type of isometry is the equivalent of two reflections in two vertical lines?

   [A] rotation [B] dilation

   [C] glide reflection [D] translation

3. Which type of isometry is the equivalent of two reflections in perpendicular lines?

   [A] dilation [B] translation

   [C] rotation [D] reflection

4. Which type of isometry is the equivalent of three reflections in two parallel lines and another line perpendicular to them?

   [A] glide reflection [B] translation

   [C] dilation [D] rotation

5. Which type of isometry is the equivalent of two reflections in both the $x$ and $y$ axes?

   [A] rotation [B] glide reflection

   [C] dilation [D] translation

6. Which type of isometry is the equivalent of two reflections in parallel lines?

   [A] dilation [B] rotation

   [C] translation [D] reflection

7. Which type of isometry is the equivalent of two reflections in intersecting lines?

   [A] glide reflection [B] reflection

   [C] dilation [D] rotation

8. Which type of isometry is the equivalent of three reflections in parallel lines?

   [A] rotation [B] reflection

   [C] dilation [D] translation

[1] B

[2] D

[3] C

[4] A

[5] A

[6] C

[7] D

[8] B