Rotating a Geometric Object

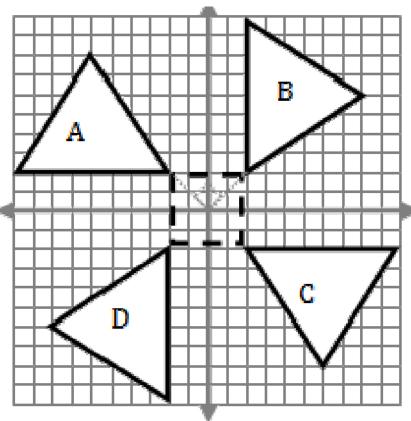If A is the original shape then…   B is a 90° Rotation

Common formulas you can use to find where to place the rotated object for a:

90° rotation (-y, x)

180° rotation (-x, -y)

270° rotation (y, -x)

Why?

The angle that is formed between shape A and B is a 90° angle. The angle formed between shape A and C is a 180° angle. The angle formed between shape A and D is a 270° angle.

D is a 270° rotation   C is a 180° Rotation

Meets Common Core Standard: HSG-CO.A.5