

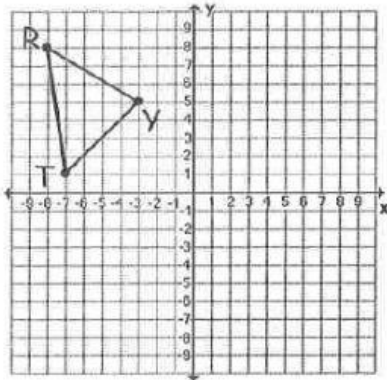
Rules of Rotation

$90^\circ \text{ CW or } 270^\circ \text{ CCW} \quad (x,y) \rightarrow (y,-x)$

$180^\circ \text{ CW or } 180^\circ \text{ CCW} \quad (x,y) \rightarrow (-x,-y)$

$90^\circ \text{ CCW or } 270^\circ \text{ CW} \quad (x,y) \rightarrow (-y,x)$

1. Rotate TRY 90° CW from the origin. Call it TR'Y'.



T _____

T' _____

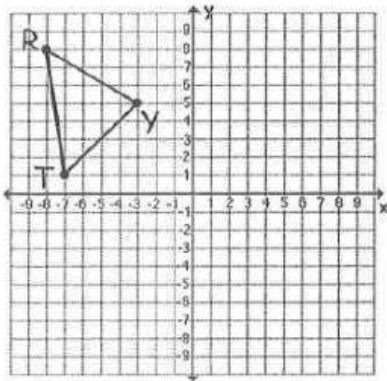
R _____

R' _____

Y _____

Y' _____

2. Rotate TRY 90° CCW from the origin. Call it TR'Y'.



T _____

T' _____

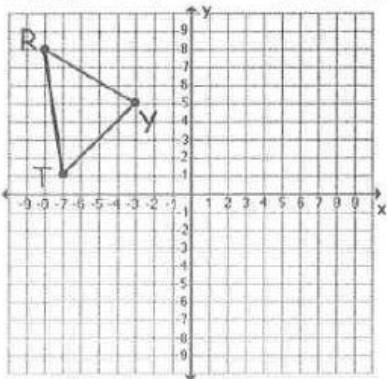
R _____

R' _____

Y _____

Y' _____

3. Rotate TRY 180° CW from the origin. Call it TR'Y'.



T _____

T' _____

R _____

R' _____

Y _____

Y' _____