

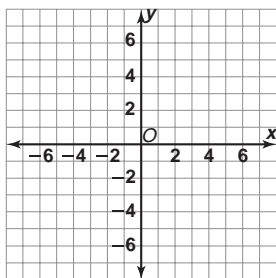
Practice 8-3

Rotations

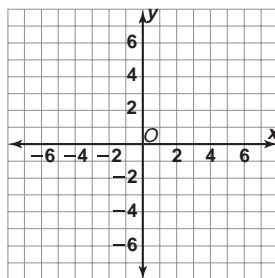
Graph each point. Then rotate it the given number of degrees about the origin. Give the coordinates of the image.

1. $V(2, -3)$; 90° _____
2. $M(-4, 5)$; 270° _____
3. $V(0, 5)$; 180° _____
4. $V(3, 4)$; 360° _____
5. Graph $\triangle RST$ with vertices $R(-1, 3)$, $S(4, -2)$, and $T(2, -5)$. Graph the image formed by rotating the triangle about the origin by each angle.

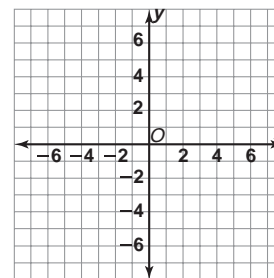
a 90°



b 180°



c 270°



Determine if each figure could be a rotation of the figure at the right. For each figure that could be a rotation, tell what the angle of rotation appears to be.

