

Practice 3-8

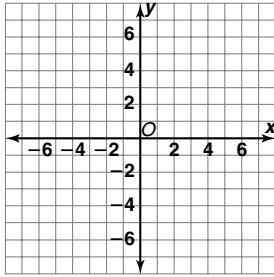
Rotations

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

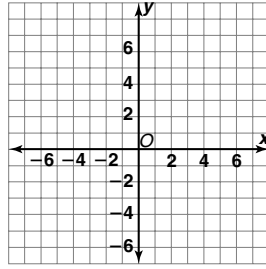
1. $V(2, -3); 90^\circ$ _____
2. $M(-4, 5); 270^\circ$ _____
3. $V(0, 5); 180^\circ$ _____
4. $V(3, 4); 360^\circ$ _____

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.

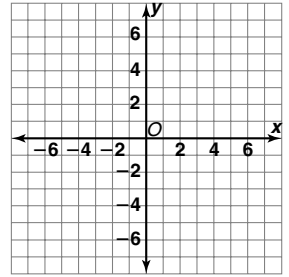
a. 90°



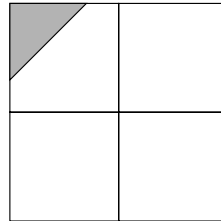
b. 180°



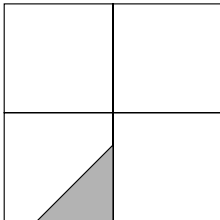
c. 270°



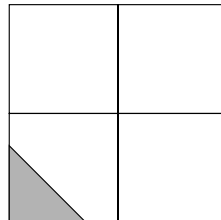
Determine if each figure could be a rotation of the figure at the right. For each figure that could be a rotation, tell what the angle of rotation appears to be.



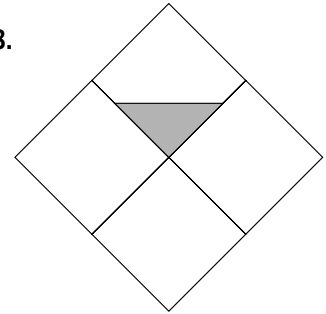
6.



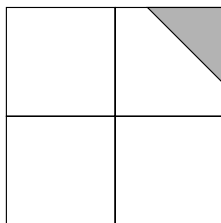
7.



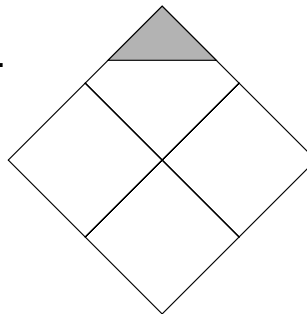
8.



9.



10.



11.

