Name _____ Date _____

Rotations, Reflections, and Translations of Geometric Shapes- Guided Lesson Explanation:

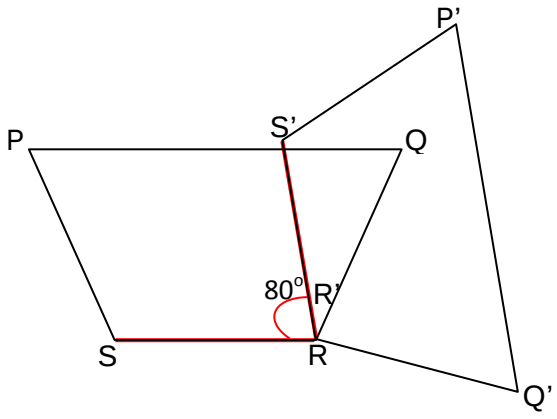
Explanation # 1

Step a: Draw the line segment between the vertex and the point of rotation.

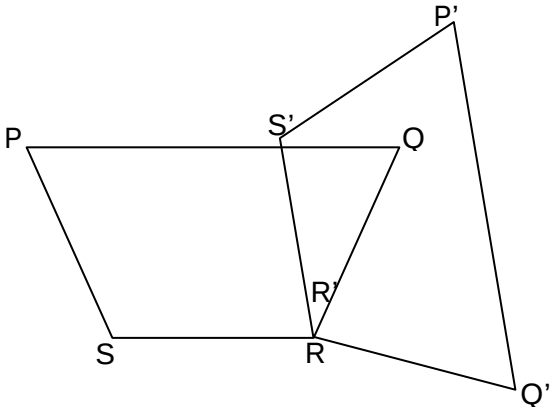
Step b: Use a protractor to draw the angle of rotation.

Step c: Use a compass to mark the rotated vertex point on the other side of the angle.

Step d: Draw line segments connecting the rotated vertices.



In above diagram SR=S'R and m angle SRS' =80°.So the correct answer is A.



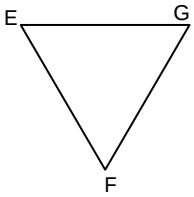
Explanation # 2

A reflection flips the figure over a line to create a mirror image.

Figure c is reflection because it is exactly mirror image.

Name _____ Date _____

So the answer is c



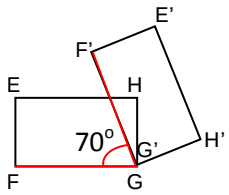
Explanation#3

Step a: Draw the line segment between the vertex and the point of rotation.

Step b: Use a protractor to draw the angle of rotation.

Step c: Use a compass to mark the rotated vertex point on the other side of the angle.

Step d: Draw line segments connecting the rotated vertices.



In above diagram FG=F'G' and angle FGF' =70°So the correct answer is

B.