

Name:

Date:

Period:

HW #11-6: Quiz Review

1. Find the area of the triangle with sides 5, 6, and 9. Exact answer.

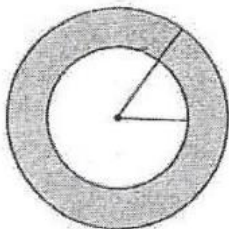
2. Find the area of a regular hexagon with a radius of 8. Exact answer.

3. Find the area of an equilateral triangle whose...
 - a. side length is $2\sqrt{3}$. Exact answer.

 - b. apothem is $2\sqrt{3}$. Exact answer.

4. Find the area of a rhombus with a perimeter of 40 and one angle of 60° . Exact answer.

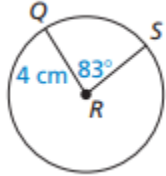
5. Find the area of the shaded region of the inner radius of 3 and the outer radius is 5. Exact answer.



6. Convert 26° to radians. Exact answer.

7. Convert $\frac{5\pi}{9}$ radians to degrees. Exact answer.

8. Find the length of $\widehat{QS}$. Exact answer.



9. Find the area of sector QRS from problem #8. Exact answer.

10. Find the area of the segment within sector QRS from problem #8. Round to hundredth.

11. Find the area of the nonagon with a side length of 10 inches. Round to hundredth.

12. Find the area of the rhombus.

