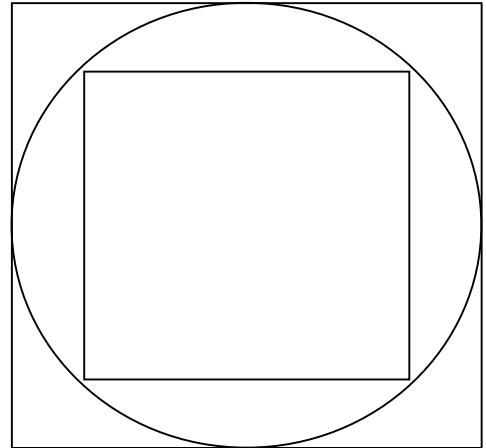

Circles and Squares

This diagram shows a circle with one square inside and one square outside.

1. What is the ratio of the areas of the two squares?
Show your work



2. If a second circle is inscribed inside the smaller square, what is the ratio of the areas of the two circles? Explain your reasoning.
