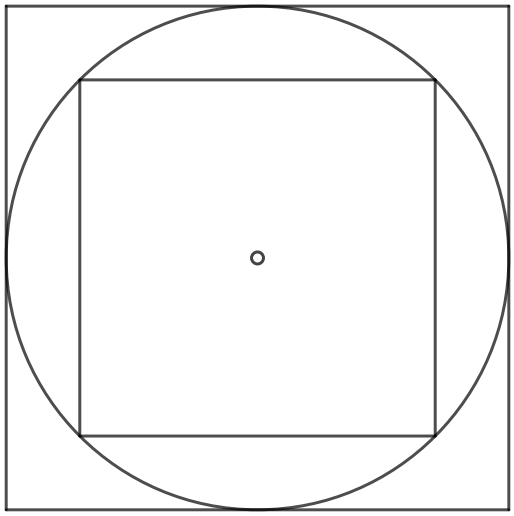
College

Name

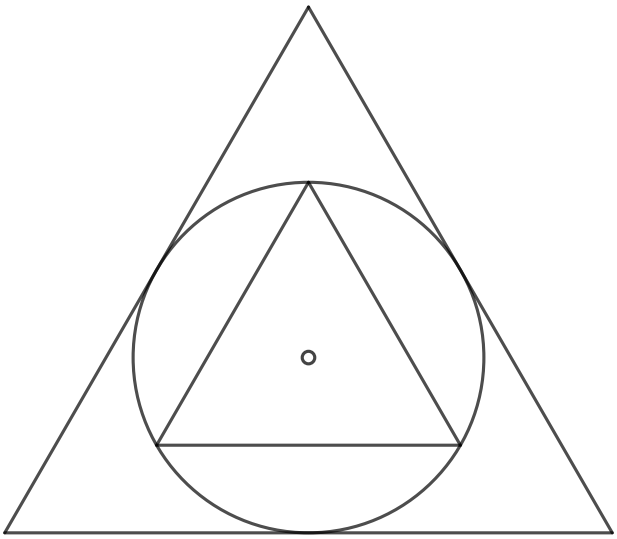
Grade

Problems To Think About

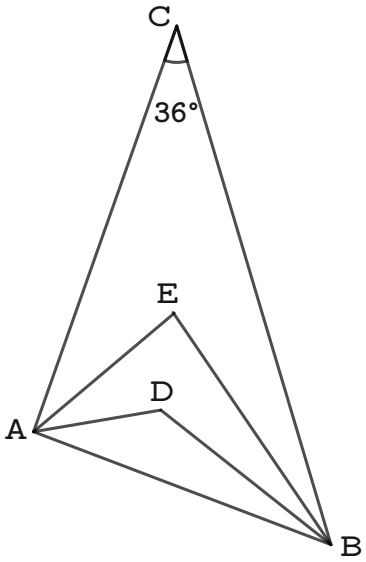
Mental Geometry



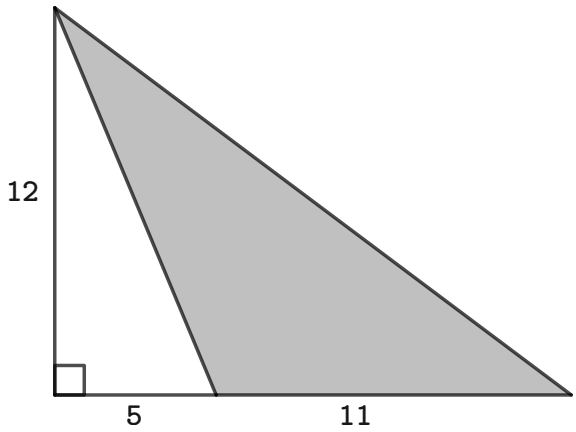
A circle and two squares, one inscribed and the other circumscribed. Determine the ratio between the perimeters of the squares.



A circle and two triangles, one inscribed and the other circumscribed. Determine the ratio between the perimeters of the triangles



ΔABC scalene with $\angle C = 36°$. The trisectors of the other two angles intersect at **D** and **E**. $\angle AEB = ?$



Determine the perimeter of the shaded triangle.