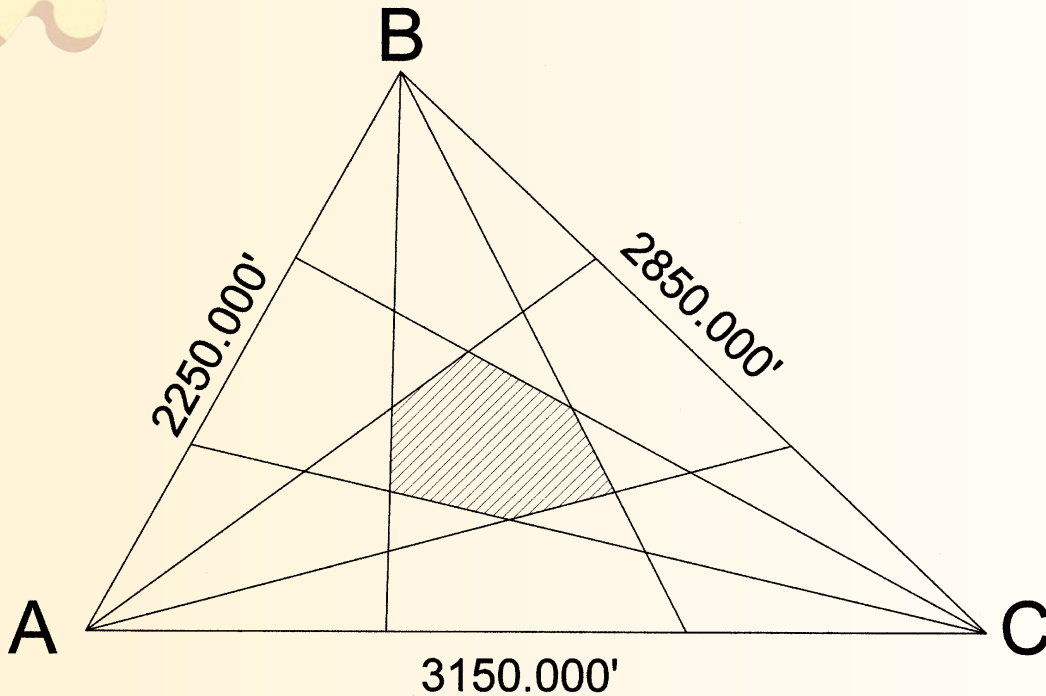




PROBLEMCORNER

Problem 115

The interior lines within the triangle are drawn from the vertex to the opposite side $\frac{1}{3}$ points. What is the area of the center hexagon in relation to the area of the exterior triangle?



Problem 116

If the interior lines within the triangle of Problem No. 115 are trisections of the vertex angles, what is the area of the center hexagon in relation to the exterior triangle?