

Problem 19

Problem

(2001 AIME) In triangle ABC , angles A and B measure 60 degrees and 45 degrees, respectively. The bisector of angle A intersects BC at T , and $AT = 24$. The area of the triangle ABC can be written in the form $a + b\sqrt{c}$, where a, b , and c are positive integers, and c is not divisible by the square of any prime. Find $a + b + c$.

Solution

Solution not available.