

Problem of the Week-6: A Triangle

Does there exist a triangle (in the Euclidean geometry) with sides a, b, c such that $\sqrt{a} + \sqrt{b} = \sqrt{c}$?

Either give an example, or prove that such a triangle cannot exist.

Posting Date 4/04/09. Submit solutions to Noah Aydin, Mathematics Department, RBH 319 (e-mail or hard-copy, but hard copy submissions must include a time stamp) by 4 pm on 4/17/09.