

Minimum triangle area

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A triangle with sides a, b, c has an area equalling x times its perimeter. Here is the puzzle (or snag): a also equals $x^2 + x^{1/5}$. So what is the minimum area the triangle can be?. a, b, c and x and the area are integers.

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- Prev by Date: [***Re: Where do I begin?***](#)
- Next by Date: [***Pyramid Edges***](#)
- Previous by thread: [***Continuity and Differentiation***](#)
- Next by thread: [***Pyramid Edges***](#)
- Index(es):
 - ◆ [***Date***](#)
 - ◆ [***Thread***](#)