

Problem 6 (due Monday, November 23)

Let  $f(x)$  be a polynomial with real coefficients such that  $f(x) - 2f'(x) + f''(x) > 0$  for all  $x$ .  
Prove that  $f(x) > 0$  for all  $x$ .

Only one solution was received, from Yuqiao Huang. His solution is close to our solution, which is contained in the following link Solution

From:

<https://www2.math.binghamton.edu/> - **Department of Mathematics and Statistics, Binghamton University**

Permanent link:

<https://www2.math.binghamton.edu/p/pow/problem6f20>

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