# UNDERGRADUATE PROBLEM SOLVING CONTEST 

PROBLEM 2

Due November 27, 2012

Find all integers $x$ such that $x^{4}+x^{3}+x^{2}+x+1$ is a perfect square.

In the spirit of UPSC, you should not use the internet or look up the solution in a book. Please include your name, student ID number and email address on your solution.

