

Problem of the Week, Fall 2006

16 November 2006

Circle One: Cadet Faculty Student (non USMA) Faculty (non USMA) Other

Last Name (Please Print):

Problem 11

Let n be an integer. Prove that if $2\sqrt{28n^2 + 1} + 2$ is an integer, then it is a perfect square.

Submission Instructions

Submit to : [MAJ Jong H. Chung](#)

How : As an attachment to an
email(please make sure your
name is in the attachment!)

With the subject line : WP POTW

Failure to follow these directions may result in your submission not
making into the pile in the right order!