

Problem of the Week, AY 2007

22 February 2007

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

Last Name (Please Print):

Problem 16

A point P is on the curve $y = x^3$ (P is not at the origin.). The tangent line taken at P meets the curve again at Q. Prove that the slope of the tangent line at Q is four times the slope of the tangent line at P.

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!