

Problem of the Week, Fall 2006

19 October 2006

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

Last Name (Please Print):

Problem 7

This is a fairly easy problem from the (in)famous William Lowell Putnam Mathematical Competition. Find the length of the curve $y^2 = x^3$ from the origin to the point where the tangent line to the point makes an angle of 45 degree with the x-axis.

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!