



Advanced Problem Solving – Fall Schedule

The **Advanced Problem Solving** Fall course is a highly challenging 10-week course in inequalities and optimization techniques. Topics covered include the mean inequality chain (Power mean inequalities), classical inequalities, the Cauchy-Schwarz inequality, geometric inequalities, and techniques involving homogeneous expressions. Emphasis is placed on proof writing skills. Class will run from **7 PM to 9 PM Tuesday evenings** according to the schedule below.

<u>Class</u>	<u>Date</u>
Class 1	Tuesday, Aug 24
Class 2	Tuesday, Aug 31
Class 3	Tuesday, Sep 7
Class 4	Tuesday, Sep 14
Class 5	Tuesday, Sep 21
Class 6	Tuesday, Sep 28
Class 7	Tuesday, Oct 5
Class 8	Tuesday, Oct 12
Class 9	Tuesday, Oct 19
Class 10	Tuesday, Oct 26

A typical day in the Advanced Problem Solving class involves a lesson, time spent working on problems relating to the lesson, and discussion of solutions to those problems with an eye toward developing proof writing techniques. To review a sample of the Advanced Problem Solving curriculum and learn more about the class, please visit the following URL:

<http://www.mistacademy.com/advancedps.htm>

Enrollment in the Advanced Problem Solving class is \$390, which includes all materials and registration fee. To enroll or ask questions about this class, send an email to (classes@MistAcademy.com).