The William Lowell Putnam Mathematical Competition

takes place Saturday, December 3, 2010.
In 2010, the Stanford team placed seventh.

Sign-up and Introductory Meeting
Mon. Sept. 26, 6:00 pm, in Bldg. 380– Room 383N

We will also meet regularly on Monday evenings from 6PM for the problem-solving preparatory sessions (a.k.a. the Polya Problem-Solving Seminar, or as the 1 credit course Math 193). If you can't make it and are even potentially interested, please e-mail ksound@math.stanford.edu.
For more information: http://math.stanford.edu/~ksound/Polya.html

Sample problems:

1. (Polya) If a side of a triangle is less than the average of the other two sides, then the opposite angle is less than the average of the other two angles.

2. (IMO 1972) Let m and n be non-negative integers. Prove that $m!n!(m+n)!$ divides $(2m)!(2n)!$.

3. Find all x such that for all $n \in \mathbb{N}$

$$\sin x + \sin(2x) + \ldots + \sin(nx) \leq \frac{\sqrt{3}}{2}.$$