# Come to the
# Putnam Practice Sessions !!

"Let *f* and *g* be real-valued functions defined on an open interval containing 0, with *g* nonzero and continuous at 0. If *fg* and *f/g* are differentiable at 0, must *f* be differentiable at 0?"

"Given a triangle with vertices A,B,C, reflect A across B to A', reflect B across C to B', and reflect C across A to C'. What is the ratio of the areas of triangle A'B'C' and triangle ABC?"

"Suppose that *x* and *y* are real numbers strictly between 0 and 1. Prove that $x^y+y^x>1$."

If you like solving problems like these, you will enjoy the Putnam Examination practice sessions, which will meet on **Friday afternoons from 4:00 to 6:00 in Compton 241**. In these meetings we will learn problem solving methods. Free pizza will be available.

The William Lowell Putnam Examination is a nationwide competition in Mathematics at the level of freshman calculus. It will be held this year on Saturday, December 1st.

The organizational meeting is **Friday afternoon, September 14th at 4:00pm**. Please drop in!

Questions? Call, email or visit

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