A triangle has sides which form three consecutive integers, and the largest angle is twice the smallest angle. Find the cosine of the smallest angle.

Solutions to the last problem were submitted by Evan Fu (Beaverton, OR), Rob Hill (Gambrills, MD), Hari Kishan (India), François Seguin (Amiens, France), and Zurab Zakaradze (Georgia, the country).

Solutions for this problem can be submitted to Dr. Brian Miceli at bmiceli@trinity.edu. People who submit solutions will be acknowledged on the next problem. If you like these problems, you may be interested in the Putnam Exam, and more information on the Putnam Exam may be found [HERE].