

# Math Problem of the Week

Solutions due by 1:00pm, Wednesday, February 24, 2016

**Instructions:** You may work alone or in a group. Correct and complete solutions will be placed in a drawing for a fabulous prize. Plagiarized solutions will be disqualified. A complete solution includes either

- all relevant steps used in deducing the answer, or
- the answer, together with a proof of its correctness.

**This week's problem:** Suppose a triangle  $ABC$  has the property that the altitude, angle bisector, and median from  $C$  divide the angle  $\angle C$  into four equal angles. Find the angles of the triangle.

