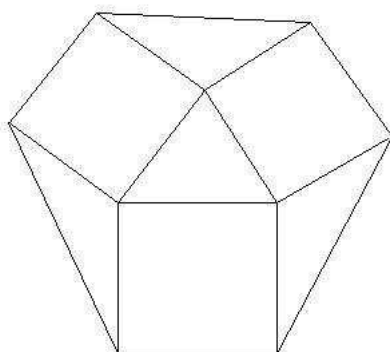


SMC Department of Mathematics
Problem of the Week

Deadline: Monday March 23th

Dividing the Hexagon: This problem is from the Pomona College Math Talent Search. Below is a hexagon subdivided into four triangles and three squares. Show that each of the triangles has the same area.



Prize: The first person to submit a correct solution to Rena Levitt (Galileo 108B) will have their choice of many fine mathematical prizes. In addition, the person with the most correct submissions this semester will receive a prize at the end of the semester. The final deadline for submission is noon on Monday, Monday March 23rd. Good Luck!