A point is chosen (uniformly) at random inside an equilateral triangle. What is the probability that it lies closer to the center of the triangle than it does to any edge?

Solutions should be submitted to Morgan Sherman:

Dept. of Mathematics, Cal Poly
Email: sherman1 -AT- calpoly.edu
Office: bldg 25 room 329

before the due date above. Those with correct and complete solutions will have their names listed on the puzzle’s web site (see below) as well as in the next email announcement. Anybody associated to Cal Poly is welcome to make a submission.

http://www.calpoly.edu/~sherman1/puzzleoftheweek