

Rockhurst University Mathematics Problem of the Month

Congratulations to Angela Whatley, winner of August's problem. She wins a prize from the POM collection (and a bag of Famous Amos cookies). Honorable mention goes to Jeff Nevinski, Peter Simone, Prof. Koelzer, and Prof. Colombo. The contest is open to any currently enrolled Rockhurst student. The winner will be chosen according to who has the best solution (not just answer) to the problem. Ties will be resolved by considering the order in which the solutions were received.

Solutions should be submitted to Keith Brandt (Richardson 120) by the end of the month. The winners will receive wonderful prizes, so give these problems some thought!

Problems For September 2004:

1. The Spanish club at Springfield College has 26 members. The club has 13 women and 15 seniors. Also, there are 5 men who are not seniors. How many senior women are in the club?
2. Spot's doghouse is the shape of a regular hexagon with 1 yard sides. Spot is tethered to one of the vertices with a two-yard rope. What is the area, in square yards, of the region outside the doghouse that Spot can roam?