

Rockhurst University Mathematics Problem of the Month

Unfortunately, no students submitted solutions for March's contest. Fortunately, Peter Simone and Prof. Colombo submitted correct solutions, so they get extra honorary mention this time. April's problem is a bit easier (and it could save you some money). 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. Winners receive wonderful prizes, so give these problems some thought!

Problem For April 2005:

1. A long-distance phone company offers three monthly plans. Plan A is up to 400 minutes for \$15 plus 7 cents for each additional minute. Plan B is up to 200 minutes for \$10 plus 7 cents for each additional minute. Plan C is \$5 plus 5 cents for each minute. For which customers (based on their minutes used per month) is each plan the best?