

Rockhurst University Mathematics Problem of the Month

Congratulations to Laura Setchfield and Peter Simone, winners of January's contest. They each win a prize from the Problem of the Month collection. Honorable mention goes to Townley Morrison. 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 February 2004:

1. Give the equation of a line which is tangent to the curve $y = x^2$ and passes through the point (2, 1).
2. Over a twelve-hour period, how many times will the hour and minute hands of a clock be perpendicular to each other?