Math 22 Calculus of Several Variables Spring 1999, UCSC

Time: 10min

## QUIZ 8

1. A lamina occupies the part of the disk  $x^2 + y^2 \le 1$  in the first quadrant. Find its center of mass if the density at any point is proportional to its distance from the x-axis.

This problem is worth 10 pts.

 $\text{IAT}_{E^{X}} \qquad \qquad \mathcal{M}\mathcal{G}$