

Math 225: Calculus III

Quiz 7 *Mar. 28/30, 1995*

Name: _____

Section: _____

1. Find the centroid of the region bounded above by $y = x^{1/5}$ and below by $y = x^3$ for $0 \leq x \leq 1$.

2. Find the mass of the solid bounded above by $z = 8 - x^2 - y^2$ and below by $z = x^2 + y^2$ if the density function is $\delta(x, y, z) = 8 - z$.