

**Math 225: Calculus III**  
**Quiz 7 Mar. 22/24, 1994**

Name: \_\_\_\_\_  
Section: \_\_\_\_\_

1. Calculate the area between the spirals  $r = \theta$  and  $r = 3\theta$  above the  $x$ -axis.

*= 3trueinquiz7.eps*

2. Evaluate the integral  $\int_D x \, dV$  over the solid region  $D$  bounded by the planes  $x + y + z = 2$ ,  $y = 0$ ,  $y = x$ , and  $z = 0$ .