## Quiz 7

## MAC 2313-01

Full Name:\_\_\_\_\_

Spring 2010

Score: \_\_\_\_\_

Show all of your work for full credit.

1. Set-up (but do not evaluate) the integral used to find the volume of the solid under the surface  $z = x + 2y^2$  and above the region bounded by  $x = y^2$  and  $x = y^3$ .

2. Set-up (but do not evaluate) the integral used to evaluate

$$\iint_{D} (x+y) \, dA$$

where D is the region between the two half-circles in the right half-plane:  $x^2 + y^2 = 4$  and  $x^2 + y^2 = 9$ .