Quiz 7

MAC 2313-01

Full Name: ___________________________  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

$$\int \int_D (x + y) \, dA$$

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