QUIZ 10 - MATH 251	Friday, April 27
YOUR NAME:	George Voutsadakis

Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Use triple integrals to find the volume of the solid in  $\mathbb{R}^3$  bounded by  $y=x^2,\ x=y^2,\ z=x+y+5$  and z=0.

2. Integrate the function f(x, y, z) = z over the region  $\mathcal{W}$  bounded by  $z = 7 - x^2 - y^2$  and z = 3.