MTH 32. QUIZ 1. NAME:＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿

[10] **1.** Find the area of the region bounded by the graphs of the functions $f(x) = x^2$ and $g(x) = x$.

[10] **2.** Find the volume of the solid of revolution obtained by rotating the region bounded by the graphs of the functions $f(x) = x^2$ and $g(x) = x$ about the y-axis..