QUIZ 9 - MATH 112	
YOUR NAME:	

Friday, November 2 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. Find the area of the region under the curve  $f(x) = 8 - 4\sqrt[3]{x}$  from x = 0 to x = 8.

2. Evaluate the definite integral  $\int_1^2 \frac{(x+1)^2}{x} dx$ 



4. Find the area of the region bounded by the curves  $y = 3x^2 - 3$ , y = 2x + 5, x = 0 and x = 3.