

QUIZ 9 - MATH 112

Friday, April 11

YOUR NAME: _____

George Voutsadakis

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

1. [12 points] Compute the following indefinite integrals.

(a) $\int (x^5 + 16x^3 - 6x^2 + 3)dx =$

(b) $\int \left(\sqrt[5]{x^7} - \frac{1}{\sqrt[3]{x}} \right) dx =$

(c) $\int (x+3)^2(x^2+4)dx =$

(d) $\int \frac{3x^5 - 10x^4 + 9x^2}{x^2} dx =$