QUIZ 4 - MATH 152

Friday, September 27

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. [6 points] Compute the integral
$$\int \frac{x^2}{\sqrt{4-x^2}}dx.$$

2. [6 points] Compute the integral

$$\int \frac{x^2 + 7}{(x + 3)(x - 1)^2} dx.$$