

## Quiz 6 - MATH 151

DATE: Week 8, March 3 - 7

INSTRUCTOR: 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. Compute the limit  $\lim_{x \rightarrow 3} \frac{x^2+2x-15}{x^2-2x-3}$ . (5 points)
2. Find the average rate of change of the function  $f(x) = \sqrt{x+5}$  from  $x = 4$  to  $x = a$ . (5 points)