

Math 131 - Quiz 11

April 26, 2023

Name _____

Score _____

Show all work to receive full credit. Supply explanations when necessary.

1. (6 points) Evaluate each indefinite integral.

(a) $\int (x^2 + x + 1) dx$

(b) $\int (3 \sin x - 5 \cos x) dx$

(c) $\int \left(\frac{3}{x} - e^x \right) dx$

2. (4 points) Let $f(x) = \sin(x)$. Use 4 subintervals of equal length and right endpoints to compute the corresponding right Riemann sum for f over the interval $[1, 2]$.