

Math 172 - Quiz 9

November 1, 2017

Name _____

Score _____

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

1. (3 points) Integrate: $\int (x^2 + 8)e^{3x} dx$

2. (4 points) Evaluate the definite integral: $\int_1^2 x^3 \ln x dx$

3. (3 points) Integrate: $\int \sin^5 x \cos^3 x dx$