

QUIZ 5

Your name _____

1. [6 pts] Integrate: $\int \sin^4(2x) \cos^3(2x) dx$

2. [7 pts] Integrate: $\int_0^5 (5 - x)e^{2x} dx$

Problem 3 is on the back side.

3. [7 pts] Find the value of a so that the average value of $f(x) = a\sqrt{2x+7}$ on the interval $[1,9]$ is equal to 1.