

Math 106 Honors (Quiz 5)

Name _____.

1. (20 points) Evaluate each of the following:

(a) $\sum_{i=2}^4 (6i + 7)$

(b) $\sum_{i=1}^n (2i^2 - 4i + 8)$

(c) $\int (2 \sin(3x) - \sec^2(x)) dx$

(d) $\int (x^2 + \frac{1}{\sqrt[3]{x^2}}) dx$

(e) $\int \frac{e^{2x}}{e^{2x} + 4} dx$