

MATHEMATICS 101 Section 201

Quiz #1, January 16, 2012

Show all your work. Use back of page if necessary. Calculators are not allowed.

Last Name:

First Name:

UBC Stud. No.:

Evaluate each of the following. Explain steps as necessary. (2 points each)

1) $\int \frac{4 + u^3}{u^4} du$

2) $\int_{-1}^1 (2x^3 + 5x^7 + 11x^{13} + 17x^{19} + 23x^{29}) dx$

3) $\int_1^2 6x^2 \sqrt{8 + x^3} dx$

4) $\int \frac{\cos(\frac{1}{x^2})}{x^3} dx$

5) $\frac{d}{dx} \int_3^{x^2+1} e^{e^t} dt$