

MAC 2312
Quiz 7
October 28, 2008

1) Integrate. Enjoy.

$$\int \frac{3x^3 + 3x + 5}{(x+1)(x^2+4)} dx$$

$$\int \frac{2x^4 + 7x^3 + 9x^2 + 5x + 2}{x^3 + 3x^2 + 2x} dx$$

2) Use the Table of integrals to integrate this. Make sure you tell me which formula you used. Enjoy.

$$\int \frac{\sin^2(3x) \cos(3x)}{(3 - 2 \sin(3x))^3} dx$$