## Calculus I

TA/classroom:
Student ID: $\qquad$

## Quiz 5

Nov. 7, 2007

1. $(10 \mathrm{pts})$ Find the derivative of

$$
f(x)=\frac{x^{5}+2 x^{3}+4 x+1}{x^{2}}
$$

2. ( 5 pts ) Find the derivative of

$$
f(x)=\sqrt{x^{2}+x}
$$

3. ( 5 pts ) Find the derivative of

$$
f(x)=x^{2} \sqrt{x^{2}+x}
$$

