Math 126: Calculus II
Quiz 5 October 5, 1999

Name:
Section:
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In both problems, be sure to show all your work and include all important steps.

1. Use the method of partial fractions to calculate $\int \frac{x^{4}+1}{x^{3}+x} d x$.
2. Use a trigonometric substitution to calculate $\int \frac{1}{x^{2} \sqrt{x^{2}-1}} d x$.
