

Name \_\_\_\_\_

Mathematics 206a: Multivariable Calculus  
Fall Semester 2005

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Quiz #22

October 24

Let  $C$  be the path parametrized by  $f(t) = (t^2 - 1, t^2 + 1)$  starting at  $t = 0$  and ending at  $t = 4$ .

Compute the length of  $C$ .