MAT	296.	Fall	2015,	Quiz	6
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Score	
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Name: _____ (PRINT IN BLOCK LETTERS)

Date: Oct 16, 2015

No calculators will be allowed on any quiz, midterm exam or on the final exam. Using or $\underline{\text{available}}$ any calculator or other electronic device during a quiz, midterm exam or the final exam is a violation of the Academic Integrity Policy.

Show all the steps in your solutions.

1. Evaluate the integral $\int \frac{2x+4}{x^3+4x} dx$

2. Determine whether the following improper integral is convergent or divergent, and evaluate it if it is convergent. Be sure to show all the steps.

$$\int_0^\infty \frac{x^2}{(1+x^3)^{\frac{3}{2}}} \, \mathrm{d}x$$