

QUIZ-7

Math/CSCI 2610 Fall 2004

Name:

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Please show all your work!

1. (1 point) Prove that there are no integers x and y such that $3x^2 - 8y = 1$

2. (1 point) Prove or disprove that $n^2 - 1$ is composite whenever n is a positive integer greater than 1.

3. (1 point) Find the value of the sum $\sum_{j=0}^5 3j^2$