

**Attendance Quiz # 0 for Dr. Z.'s MathHistory for Lecture 0 (due no later than 10 minutes after class)**

**NAME:** (print!) Karan Amin

**E-MAIL ADDRESS:** (print!) kya8@scarletmail.rutgers.edu

Email to DrZlinear@gmail.com right after class

Subject:p0

with an attachment p0FirstLast.pdf

**Part I:** List all the "attendance questions" during the lecture, followed by your answers.

**Part II:**

1. (a) Express the number one hundred eighty two (in our usual, base ten, notation) in terms of powers of 5.

$$182 = 5^3 + 2 \cdot 5^2 + 5^1 + 2 \cdot 5^0$$

Attendance Question: How old was gauss when he came up with the gauss formula?

Answer: I believe he was 19

(b) Use the the above to express one hundred eighty two (expressed in our usual, base ten, notation) in base five.

1212

2. What is the decimal name of the integer that is called "One million and one" in base 2?

65 or sixty-five