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

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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.

Who was Kirk Godel? One of the greatest mathematicians of the 20th century who Dr. Z got a chance to see him from a distance in 1978. He died in 1978.

How old was Gauce when he came up with his sequence? I would have to look up the answer to this question.

Using positional notation, what is 54*57? 54*57 = (5*10 + 4*1) * (5*10 +7*1) = (5*5*10*10) + (5*10*7*1) + (4*1*5*10) + (4*1*7*1) = (2*1000) + (5*100) + (3*100) + (5*10) + (2*100) + (2*10) +(8*1) = (3*1000) + (0*100) + (7*10) + (8*1)

Part II:

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

182 = 1*100 + 8*10 + 2*1

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

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