Attendance for Dr. Z.'s MathHistory for Lecture 9 (due no later than 10 minutes after class)

NAME: (print!) _____Karan Amin_____

Email to DrZlinear@gmail.com right after class

Subject: p9

with an attachment p9FirstLast.pdf

What year did ramaujan go to England?
What was one the people who came to the conference as a spouse
What is Dr.Z Erdos Bacon number

- Ramanujan traveled to England in 1914
- Dr Z's Erdos baker number is 2

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

Part II:

1. Find the exact value of the **infinite** continued-fraction

$$3 + 1/(3 + 1/(3 + 1/(3 + 1/\ldots))) \quad .$$

let x = 3 + 1/x   x^2 = 3x + 1   x^2 - 3x - 1 = 0

x = (1/2)-(-3) +- (1/2)sqrt((-3)^2 - 4(1)(-1))

After throwing out the negative solution we get x = 3/2 + (1/2)sqrt(13)