

# Attendance Quiz 9

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Part 1)

1.) In what year did Ramanujan go to England?

ANS.) 1914

2.) In the conference's group photo, one member was the spouse of another participant. Who?

ANS.) Cyndi Garvan is the spouse of Frank Garvan.

3.) What is Dr. Z's Erdős-Bacon number?

ANS.)  $2 + 3 = 5$

Part 2)

$$1.) x = 3 + \frac{1}{(3 + \frac{1}{(3 + \frac{1}{(3 + \dots)})})}$$

$$x = 3 + \frac{1}{x}$$

$$x^2 = 3x + 1$$

$$x^2 - 3x - 1 = 0$$

$$\Rightarrow x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$x = \frac{3 \pm \sqrt{(-3)^2 - 4(-1)}}{2(1)} = \frac{3 \pm \sqrt{13}}{2}$$

$$x = \frac{3 + \sqrt{13}}{2}$$