

Vivian Choong

9/1/21

Attendance Quiz D

Part 1

(1) Who is Kurt Gödel?

Famous mathematician who proved incompleteness of axioms in arithmetic.

(2) How old was Gauss when he made the formula  $\frac{n \times n}{2}$ . 22 years old?

(3) Solve  $54 \times 57$  algebraically

$$\begin{aligned} (5 \times 10 + 4 \times 1) \times (5 \times 10 + 7 \times 1) &= \\ 5 \times 5 \times 100 + 4 \times 7 \times 1 &= \\ 3078 & \end{aligned}$$

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

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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.

**Part II:**

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

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$$1(5^3) + 2(5^2) + 1(5^1) + 2(5^0)$$

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

1 2 1 2

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

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