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## Problem (7-8)

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### Problem 7

1.0/1.0 point (graded)

Riemann introduced an important function to study prime numbers.

What is it?

- ☐ The Riemann alpha function
- ☐ The Riemann delta function
- ☒ The Riemann zeta function ✓
- ☐ The Riemann sine function

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You have used 1 of 2 attempts

### Problem 8

1.0/1.0 point (graded)

What is the name of the conjecture which has a striking application to give an asymptotic formula on the number of prime numbers less than  $N$ , and is one of the Millennium Prize Problems of the Clay Mathematics Institute?

☐ The Bertrand postulate☐ The Goldbach Conjecture☒ The Riemann Hypothesis ✓☐ Fermat's Last Theorem

You have used 1 of 2 attempts

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