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## Problem (7-8)

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### Problem 7

1/1 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

Submit

You have used 1 of 2 attempts

**i** Answers are displayed within the problem

### Problem 8

1/1 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[Submit](#)

You have used 1 of 2 attempts

**i** Answers are displayed within the problem

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