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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 ✔

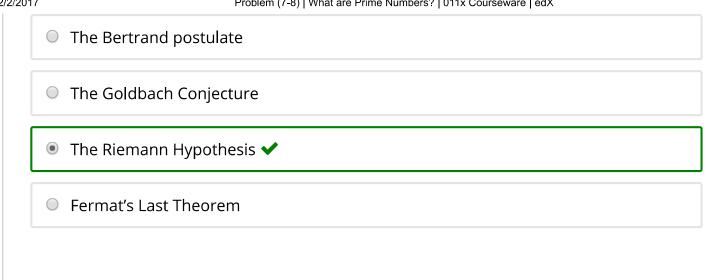- ○ The Riemann sine function

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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

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