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Problem (7-8)

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Problem 7

1.0/1.0 point (graded)

One of the greatest achievements in mathematics in the beginning of the 20th century was the establishment of a general Reciprocity Law generalizing the Quadratic Reciprocity Law. It was conjectured by Weber and Hilbert, and proved by Takagi and Artin.

What is it?

Reciprocal Field Theory
Classical Field Theory
■ Class Field Theory ✓
Hilbert Field Theory

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You have used 1 of 2 attempts

1 Answers are displayed within the problem

Problem 8

1.0/1.0 point (graded)

Today, number theorists are trying to generalize the Reciprocity Laws on prime numbers to many directions. Wiles's solution of Fermat's Last Theorem is considered as establishing a new Reciprocity Law for certain curves.

What are they?

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Ellipse Curves



Fermat's Last Curves

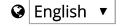
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1 Answers are displayed within the problem

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