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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

📘 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?

☐ Elastic Curves

☐ Ellipse Curves

☒ Elliptic Curves ✓

☐ Fermat's Last Curves

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You have used 1 of 2 attempts

**i** Answers are displayed within the problem

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