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Problem (1-2)

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Problem 1

1.0/1.0 point (graded)

What is your favorite prime number P ? Write it on the Discussion forum. What is your favorite integer A which is Quadratic Residue (\pmod{P}) ? Write it on the Discussion forum too.

Go to the Discussion forum.

Did you post your favorite prime number on the Discussion forum?

☒ Yes ✓

☐ No

Submit

You have used 1 of 1 attempt

Problem 2

1.0/1.0 point (graded)

Choose the correct statement.

- ☒ By the Quadratic Reciprocity Law, we can determine whether a given integer A is congruent to a square **(mod P)** or not. ✓
- ☐ The Quadratic Reciprocity Law was first proved by Euler. Then it was proved independently by Legendre and Gauss.
- ☐ Gauss proved the Quadratic Reciprocity Law when he was 23 years old, and **23** is a prime number.
- ☐ Gauss called the Quadratic Reciprocity Law 'Queen's Theorem' because he once said "mathematics is the queen of the sciences, and number theory is the queen of mathematics."

You have used 1 of 2 attempts

i Answers are displayed within the problem

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