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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?



Submit

You have used 1 of 1 attempt

Problem 2

1.0/1.0 point (graded)

Choose the correct statement.

- ullet By the Quadratic Reciprocity Law, we can determine whether a given integer $oldsymbol{A}$ is congruent to a square \pmod{P} or not. \checkmark
- 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 ${f 23}$ 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."

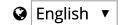
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You have used 1 of 2 attempts

1 Answers are displayed within the problem

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