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Problem (5-6)

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Problem 5

1.0/1.0 point (graded)

Among the following integers, choose all the Quadratic Residues (**mod 11**).

☒ 1

☐ 2

☒ 3

☒ 4

☒ 5

☐ 6

☐ 7

☐ 8

☒ 9

☐ 10

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You have used 1 of 2 attempts

Problem 6

1.0/1.0 point (graded)

Let P, Q be distinct odd prime numbers. Assume that P and Q are congruent to $3 \pmod{4}$.

Choose all correct statements.

☐ P is Quadratic Residue \pmod{Q} if and only if Q is Quadratic Residue \pmod{P}

.

☒ P is not Quadratic Residue \pmod{Q} if and only if Q is Quadratic Residue \pmod{P} .☒ P is Quadratic Residue \pmod{Q} if and only if Q is not Quadratic Residue \pmod{P} .☐ P is not Quadratic Residue \pmod{Q} if and only if Q is not Quadratic Residue \pmod{P} .

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English ▼

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