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Problem (7-8)

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Problem 7

1/1 point (graded)

Choose the elliptic curve.

☐ $X^2 + 3Y^2 = 1$

☐ $Y^2 = X^3 - 3X + 2$

☒ $Y^2 = X^3 + X + 1$ ✓

☐ $Y^5 = X^3 + X^2 + X + 1$

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You have used 2 of 2 attempts

i Answers are displayed within the problem

Problem 8

1/1 point (graded)

Choose the incorrect statement.

- ☐ The Elliptic Curve Cryptography (ECC) is invented by Miller and Koblitz in 1985.
- ☐ The Elliptic Curve Cryptography (ECC) is constructed using the group law on **(mod P)** rational points on elliptic curves.
- ☐ Today, the Elliptic Curve Cryptography (ECC) is becoming widely used because people believe ECC is more secure than RSA if the sizes of the keys are the same.
- ☒ People believe attacking the Elliptic Curve Cryptography (ECC) is much easier than RSA because elliptic curve is easy to analyze. ✓

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You have used 1 of 2 attempts

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