

Course > Week 4 > Prime ... > Proble...

Problem (7-8)

□ Bookmark this page

Problem 7

1/1 point (graded)

Choose the elliptic curve.

$$X^2 + 3Y^2 = 1$$

$$Y^2 = X^3 - 3X + 2$$

•
$$Y^2 = X^3 + X + 1$$

$$Y^5 = X^3 + X^2 + X + 1$$

Submit

You have used 2 of 2 attempts

1 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 \pmod{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. ✓

Submit

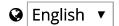
You have used 1 of 2 attempts

1 Answers are displayed within the problem

Learn About Verified Certificates

© All Rights Reserved





© 2012–2017 edX Inc. All rights reserved except where noted. EdX, Open edX and the edX and Open edX logos are registered trademarks or trademarks of edX Inc. | 粤ICP备17044299号-2











