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**ABC Conjecture
and Beyond**

 Week 4 Problems due
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Week 4 > ABC Conjecture and Beyond > Problem (1-3)

Problem 1

(1/1 point)

 Assume that positive integers A, B, C satisfy $A+B=C$ and A, B are relatively prime. The ABC conjecture concerns

☐ whether each of A, B, C is a prime number or not.

☐ whether the sum $A+B+C$ is a prime number or not.

☐ the size of the product $A \times B \times C$.

☒ the size of prime factors of the product $A \times B \times C$. ✓

☐ the remainder of ABC when we divide it by 4.

You have used 1 of 2 submissions

Problem 2

(1/1 point)

The ABC conjecture is a relatively new conjecture proposed by Joseph Oesterlé and David Masser about

☐ 10 years ago.

☒ 30 years ago. ✓

☐ 100 years ago.

☐ 300 years ago.

☐ 1,000 years ago.

You have used 1 of 2 submissions

PROBLEM 3

What is your favorite ABC triple? Write your favorite triple (A, B, C) on the Discussion forum. Calculate the conductor N, and write it on the Discussion forum.

[Go to Discussion forum.](#)

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