



Q Course

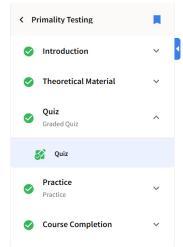
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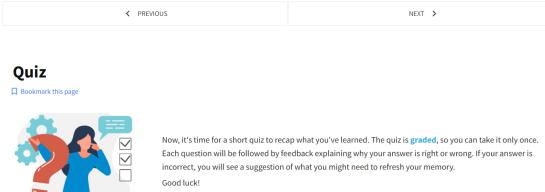
⋒ Primality Testing



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Read the question below and select **all** the answers that are correct. Then, click "Submit." Which THREE of the following numbers are prime?

	-1
	1
	17
	23
~	71
	87
Corre	ct: 17-23 and 71 are prime numbers

Correct: 17, 23, and 71 are prime numbers

Submit You have used 1 of 1 attempt

Read the question below and enter an answer. Then, click "Submit."

Let n be a prime, $1 \le a < n$. What is the result of $a^{n-1} \mod n$?

Correct: Good job!

1

Submit You have used 1 of 1 attempt

Read the question below and select the correct answer. Then, click "Submit." Which of the following statements is a prime number theorem?

The probability that a given, randomly chosen number n is prime is inversely proportional to the logarithm of n.
The probability that a given, randomly chosen number n is prime is inversely proportional to the square root of n.
The probability that a given, randomly chosen number n is prime is equal to 1 / π if n tends to infinity.



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