1

Questions

1. In set theory, what does the set {1} represent?

A. A set with one element
B. An infinite set
C. A set of real numbers
D. A null set

2. What is the significance of 1 in Boolean algebra?

A. It always equals zero
B. It represents false
C. It signifies true
D. It indicates nullity

3. In basic numeral systems, what does the number 1 represent?

A. The start of natural numbers
B. The highest single-digit number
C. A representation of zero
D. A placeholder in numbers

4. In mathematics, when a base is raised to the power of 1, what effect does this have on the base?

A. It doubles the base
B. It leaves the base unchanged
C. It multiplies the base by zero
D. It squares the base

5. In probability theory, what does a probability of 1 signify?

A. An impossible event
B. A random event
C. A certain event
D. An unlikely event

6. What is the result of the expression '1 mod n' when n is a positive integer greater than 1?

A. -1
B. 1
C. n
D. 0