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Questions

1. In computer science, why is the number 1 significant in binary representation?

A. It denotes an "on" or true state.
B. It indicates a power failure in circuits.
C. It represents the end of a sequence.
D. It serves as a base for logarithms.

2. Why is the number 1 pivotal in defining the unit circle in trigonometry?

A. It is the point of tangency on the circle.
B. It represents the radius of the unit circle.
C. It indicates the slope of the diameter.
D. It defines the area of the unit circle.

3. In numerology, what is the significance of the number 1?

A. Generosity and warmth
B. Chaos and disorder
C. Leadership and independence
D. Balance and symmetry

4. In the realm of set theory, what makes the set containing only the number 1 unique?

A. It is an empty set.
B. It can form a pair with itself.
C. It is a singleton set.
D. It is considered a null set.