1

Questions

1. Using modular arithmetic, what is the result of '555 mod 10'?

A. 5
B. 0
C. 55
D. 10

2. If you take each digit of '555' and increase it by one, what new sequence would you construct?

A. 666
B. 1230
C. 676
D. 445

3. How can the number '555' be factorized?

A. 11 * 5 * 10
B. 2 * 3 * 5 * 37
C. 5 * 5 * 22
D. 3 * 5 * 37

4. What is the hexadecimal equivalent of '555'?

A. 1B7
B. 216
C. 2F6
D. 22B

5. In calculus, what does the second derivative of a constant function represent?

A. Zero, indicating no curvature
B. A change in the angle of tangent line
C. The rate of change of velocity
D. The acceleration of the function