Calculus Historical Milestones

Calculus · Practice Test · 10 Questions

1. In which year did Gottfried Wilhelm Leibniz publish his first paper on the differential calculus, 'Nova Methodus pro Maximis et Minimis'?

A) 1684
B) 1675
C) 1666
D) 1691

2. Isaac Newton completed his manuscript 'De Analysi per Aequationes Numero Terminorum Infinitas' by which year, though it remained unpublished until 1711?

A) 1664
B) 1669
C) 1672
D) 1687

3. Who was the mathematician that published the first calculus textbook, 'Analyse des infiniment petits pour l'intelligence des lignes courbes', in 1696?

A) Johann Bernoulli
B) Guillaume de l'Hôpital
C) Brook Taylor
D) Colin Maclaurin

4. The term 'calculus' was introduced into the English language via the translation of a work by which mathematician, based on Latin roots?

A) Isaac Newton
B) Gottfried Wilhelm Leibniz
C) René Descartes
D) Augustin-Louis Cauchy

5. The 'Bernoulli Trials' and related calculus developments were significantly influenced by Jacques Bernoulli, who died in what year?

A) 1705
B) 1712
C) 1727
D) 1698

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6. In 1821, which French mathematician published 'Cours d'Analyse', establishing a rigorous foundation for calculus using limits?

A) Karl Weierstrass
B) Bernhard Riemann
C) Augustin-Louis Cauchy
D) Henri Poincaré

7. The 'Fundamental Theorem of Calculus' is often associated with the work of James Gregory, who passed away in what year?

A) 1675
B) 1682
C) 1690
D) 1701

8. Which mathematician, known for the series expansion that bears his name, was born in 1685 and died in 1731?

A) Brook Taylor
B) Colin Maclaurin
C) Leonhard Euler
D) Joseph-Louis Lagrange

9. The Leibniz-Newton calculus controversy reached its peak when the Royal Society appointed a committee to investigate the priority of invention in what year?

A) 1710
B) 1712
C) 1715
D) 1720

10. Maria Gaetana Agnesi, the first woman to write a mathematics book discussing differential and integral calculus, published 'Instituzioni analitiche' in what year?

A) 1748
B) 1752
C) 1760
D) 1735

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