Round 1
Differentiate this: You are to differentiate the expression.
Correct questions will be of the form "What is the antiderivative of f'(x)?"
Men in Mathematics
Mathematical Objects
Fundamental Theorems
Enumeration

Differentiate This
$100 2x
$200 cos(x)
$300 $\frac{1}{x}$
$400 $2^x \ln(2)$
$500 $x^x(\ln(x) + 1)$

Men in Mathematics
$100 Isaac Newton
$200 Evariste Galois
$300 Carl Friedrich Gauss
$400 Leonhard Euler
$500 Cedric Villani

Mathematical Objects
$100 Sphere
$200 Graph
$300 Cauchy Sequence
$400 Analytic function
$500 Algebraic Variety

Fundamental Theorems
$100 Fundamental Theorem of Calculus
$200 Fundamental Theorem of Arithmetic
$300 Fundamental Theorem of Algebra
$400 Fundamental Theorem of Finite Abelian Groups
$500 Fundamental Theorem of Galois Theory

Enumeration
$100 12
$200 20
$300 64
$400 10
$500 5

Round 2
Integrate that: You are to integrate the given expression.
Correct questions will be of the form "What is the derivative of F(x)?"
Women in Mathematics
Who proved it?
Integer Sequences
Proper Name Adjectives

Integrate That
\$100 $\frac{x^3}{3}$
\$200 sin(x)
\$300 arcsin(x)
\$400 ln(sec(x))
\$500 xln(x)-x

Women in Mathematics
\$100 Maryam Mirzakhani
\$200 Sophie Germain
\$300 Ada Lovelace
\$400 Emmy Noether
\$500 Julia Robinson ne Bowman

Who proved it?
\$100 Euclid
\$200 Andrew Wiles
\$300 Leonhard Euler
\$400 Paul Cohen
\$500 Johann Bernoulli

Integer Sequences
\$100 Squares)
\$200 Fibonacci sequence
\$300 Triangular numbers
\$400 Perfect Numbers
\$500 Catalan numbers

Proper Name Adjectives
\$100 Abelian
\$200 Eulerian
\$300 Hamiltonian
\$400 Euclidean
\$500 Noetherian

Final Jeopardy
Category: Ramanujan

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