COMPREHENSIVE IRRATIONAL NUMBERS REFERENCE

FUNDAMENTAL CONSTANTS

Symbol	Name	Approximate Value (10 Decimal Places)
Ï€	**Pi**	3.1415926535...
e	**Euler's Number**	2.7182818284...
Ï†	**Golden Ratio**	1.6180339887...

SQUARE ROOTS (NON-PERFECT SQUARES)

Expression	Name	Approximate Value
â^š2	Pythagoras' Constant	1.4142135623...
â^š3	Theodorus' Constant	1.7320508075...
â^š5	Square root of 5	2.2360679774...
â^š7	Square root of 7	2.6457513110...
â^š10	Square root of 10	3.1622776601...

LOGARITHMIC & TRIGONOMETRIC EXAMPLES

Expression	Context	Approximate Value
ln(2)	Natural Log of 2	0.6931471805...
logâ‚‚â‚â‚€(2)	Common Log of 2	0.3010299956...
sin(1)	Sine of 1 Radian	0.8414709848...
Î©	Omega Constant	0.5671432904...

Note: Irrational numbers cannot be expressed as a simple fraction and have non-terminating, non-repeating decimals.