Mathematica Calculis

Watchtower

I - Origin
As time appeared a system premiered
Synced, clicking, clocks ticking
Facts set in stone, logic on its own
In the making, for our taking

II - Translating Nature into Numbers
A miracle confronts us, a method to explain
Madness that surrounds us - the rules of our domain

III - Addition, Multiplication, Substraction, Division
To combine computations, carry over the stacked rows
To align in formations as the column overflows
Fundamental building blocks - forced to ingrain
To the dozens etched away, buried in my brain

Reduce with deductions, find the difference of the two
In declining productions, the opposition's for review
Break it down and separate, attempt to contain
Sliced up into bits to the same degree
What furthermore persists - it will remain

IV - Geometry Part 1
Making points for reference capricious in design
Two determined targets constitute a line
Two congruent figures, if they translate equally
Reflect or rotate - by law we can relate

- Geometry Part 2
Critical concepts captured in results beyond refute
Discovered, not invented, no reference - absolute
A language to decipher, teaching us to arrange
Patterns of space and structure and elements of change

V - Number line - Part 1
Scattered across and placed sequentially
Continuing on and on into infinity
Ascending to peaks too towering to gauge
Descending to depths extending off the page

- Number line - Part 2
To the left - consecutively decreasing
To the right - consecutively increasing
Too indefinite to comprehend?
There is no end...

VI - Calculus
Differential or integral
Newton's motion and gravitation's pull

VII - Imagine...
Living only inside my head apart from y and x
I squared equals minus one, a friend that seems complex

VIII - Algebra Part 1
Two sides to each equation, follow all of the signs
A road to the same destination on either side of the lines

A perfect pair estranged – separated at birth
Isolate what has changed to find its worth

– Algebra Part 2
To transfer from side to side, perform the inverse
Collect what is defined – far from the diverse
End the search for the unresolved in problems attained
With all values revealed for the unknown
In the final result – the balance maintained

Imagined and real, composite and prime
So many numbers, so little time...

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