

Index

- acceleration, 134
- addition theorem
 - sine and cosine, 51
 - tangent, 54
- angles belonging to a terminal side, 32
- antilogarithm, 15
- approximate sum, 149
- arithmetic progression, 67
- average rate of change, 108
- base
 - of exponential function, 11
 - of logarithm, 15
- basic period, 48
- binomial coefficient, 96
- binomial theorem, 94, 98
- common difference, 67
- common logarithm, 18
- common ratio, 72
- constant of integration, 141
- decreasing function, 120
- definite integral, 147
- derivative, 111
 - of x^n , 112
- differential coefficient, 109
- differentiation, 111
- double angle theorem, 55
- even function, 4
- exponential function, 11
- extreme value, 125
- finite progression, 67
- first term, 66
- general angle, 31
- general term, 67
 - of arithmetic progression, 68
 - of geometric progression, 72
- geometric progression, 72
- increasing function, 3, 120
- increment, 111
- indefinite integral, 140
 - of x^n , 142
- inductive definition, 91
- initial side, 30
- integration, 141
- interval, 120
- last term, 67
- limit, 104
- local maximum, 125
- local maximum value, 125
- local minimum, 125
- local minimum value, 125
- logarithm, 15
- logarithmic function, 21
- lower limit, 147
- mathematical induction, 87
- negative direction, 30
- n factorial, 97
- number of terms, 67
- n th root, 5
- odd function, 4
- Pascal's triangle, 95
- period, 48
- periodic function, 48
- positive direction, 30
- primitive, 140
- progression, 66
- progression of differences, 82
- radian, 33
- radian measure, 33
- rate of change, 109
- recurrence formula, 90
- sine curve, 44
- sum
 - of an arithmetic progression, 71
 - of a geometric progression, 74
 - of a power, 80
- tangent line, 117
- tangent point, 117
- term, 66
- terminal side, 30, 31
- trigonometric function, 34
- unit circle, 35
- upper limit, 147
- velocity, 132