

RELATIONS AND FUNCTIONS

RELATIONS one-to-one, many-to-one, one-to-many

VARIABLES x-independent, y-dependent

DOMAIN set of values of x

RANGE set of values of y

FUNCTION NOTATION $f(x)=$ _____

FUNCTION no repetition in x

VERTICAL LINE TEST intersection = 1, is FUNCTION

FUNCTIONS OPERATIONS

COMPOSITE FUNCTIONS

INVERSE OF FUNCTION

SIMULTANEOUS EQUATIONS

BY GRAPHING

BY SUBSTITUTION

BY ELIMINATION METHOD

QUADRATIC FUNCTIONS

FORMS OF QUADRATICS FUNCTION

FACTORING QUADRATICS

INCOMPLETE QUADRATICS

SOLVING BY TAKING THE SQUARE ROOTS

QUADRATIC FORMULA

VERTEX OF PARABOLA

GRAPHING PARABOLAS

EXPONENTIAL FUNCTIONS

PROPERTIES OF EXPONENTS

EXPONENTIAL EQUATIONS

LOGARITHMIC FUNCTIONS

EXPONENTIAL TO LOGARITHMIC FORM

PROPERTIES OF LOGARITHMS

EXPAND AND CONDENSE

LOGARITHMIC EQUATIONS

NATURAL LOGARITHMS

PROPERTIES OF NATURAL LOGARITHMS

SOLVING NATURAL LOGARITHMS

SINE LAW

AAS

ASA

COSINE LAW

SAS

SSS

CIRCLE THEOREMS

ANGLES AT THE CENTRE AND AT THE CIRCUMFERENCE

ANGLE IN A SEMICIRCLE

ANGLES IN THE SAME SEGMENT

ANGLES IN A CYCLIC QUADRILATERAL

LENGTHS OF TANGENT

ANGLE BETWEEN CIRCLE TANGENT AND RADIUS

ALTERNATE SEGMENT THEOREM

PERPENDICULAR FROM THE CENTER BISECTS THE CHORD

THE AVERAGES

MEAN

MODE

MEDIAN

DATA PRESENTATIONS

FREQUENCY POLYGON

HISTOGRAM

CUMULATIVE FREQUENCY

OTHER FORMULAS

RANGE

LOWER QUARTILE

UPPER QUARTILE

INTERQUARTILE RANGE

VARIANCE

STANDARD DEVIATION



PROBABILITY

SIMPLE PROBABILITY

CONDITIONAL

PROBABILITY TREE



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