SQRT

PURPOSE
Compute the square root of a non-negative number.

SYNTAX
LET <y2> = SQRT(<y1>)   <SUBSET/EXCEPT/FOR qualification>

where <y1> is a non-negative decimal number, parameter, or variable;

    <y2> is a variable or a parameter (depending on what <y1> is) where the computed square roots are stored;

and where the <SUBSET/EXCEPT/FOR qualification> is optional.

EXAMPLES
LET A = SQRT(14.2835,1)

LET A = SQRT(A1,2)

LET X2 = SQRT(X1-4,2)

NOTE
If a negative number is passed to this routine, an error message is printed.

DEFAULT
None

SYNONYMS
None

RELATED COMMANDS

ABS	=	Compute the absolute value of a number.
EXP	=	Compute the exponential of a number.
MOD	=	Compute the modulo function.
MIN	=	Compute the minimum of two numbers.
MAX	=	Compute the maximum of two numbers.
DIM	=	Compute the positive difference of two numbers.
IND	=	Compute the mathematical indicator function.

APPLICATIONS
Data transformation

IMPLEMENTATION DATE
Pre-1987

PROGRAM
    TITLE PLOT SQUARE ROOT FUNCTION
    PLOT SQRT(X) FOR X = 0 .1 9.9