

WRT

PURPOSE

Defines the variable of interest for:

1. roots
2. differentiation
3. integration

in the LET command (“WRT” stands for “with respect to”).

SYNTAX

None

EXAMPLES

```
LET R = ROOTS X-EXP(X) WRT X FOR X 0 3
LET FUNCTION F2 = DERIVATIVE F1 WRT X
LET A = INTEGRAL LOG(X) WRT X FOR X 1 2
```

DEFAULT

None

SYNONYMS

None

RELATED COMMANDS

LET = Perform various transformations and mathematical operations.

APPLICATIONS

Roots, derivatives, and integrals

IMPLEMENTATION DATE

Pre-1987

PROGRAM

```
LET FUNCTION F1 = SIN(X**2)
LET FUNCTION F2 = DERIVATIVE F1 WRT X
PRINT F1 F2x
```