SQR

In Extended XYBASIC you can compute square roots using the SQR function. Try the following simple example:

```
PRINT SQR (2)
 1.41421
OK
```

The argument of SQR must be a positive number. If you try to compute SQR of a negative value, a FC (Function Call) error will occur.

LOG

The Extended XYBASIC function LOG returns the natural logarithm of its argument. The following example uses a simple FOR-loop to print a table of the values of LOG between 2 and 3.

```
NEW
OK
10 FOR I = 2 TO 3 STEP .1
20 PRINT I, LOG(I)
30 NEXT
RUN
 2              .693147
 2.1            .741937
 2.2            .788457
 2.3            .832909
 2.4            .875469
 2.5            .916291
 2.6            .955511
 2.7            .993252
 2.8            1.0296
 2.9            1.06471
 3              1.09861

OK
```

The argument of LOG must be a positive number. A FC (Function Call) error will occur if the value of the argument is negative or zero.

EXP

The Extended XYBASIC function EXP (X) returns the value of the exponential e ^ X, where e is the Euler number 2.71828... For example:

```
PRINT EXP (2)
 7.38906
OK
```

SIN, COS, TAN and ATN

Extended XYBASIC provides the functions SIN, COS, TAN and ATN to compute the trigonometric functions sine, cosine, tangent and arctangent. The