



Sheet1

```
{WriteLn ""}  
{WriteLn "5. To complete the process , press the [ENTER] key."}  
{FOOTER}  
{Return}
```

Macros

```
{BOX}  
{GotoXy 1,5}  
{WriteLn "The following macro commands are present in Version 3.00}  
{WriteLn " "  
{WriteLn " InLabel InValue Write WriteLn Beep"}  
{WriteLn " Jump Call MenuJump MenuCall MenuXy"}  
{WriteLn " MenuWidth Clrscr Update ScrnOff ScrnOn"}  
{WriteLn " MenuOff MenuOn Return Restart Blank"}  
{WriteLn " GotoXy Tone If Let"}  
{WriteLn ""}  
{WriteLn " Rt Lt Up Dn"}  
{WriteLn " PgRt PgLt PgUp PgDn"}  
{WriteLn " Ins Del Esc Bs End"}  
{WriteLn ""}  
{WriteLn "And the following functions keys may be activated"}  
{WriteLn ""}  
{WriteLn " EDIT NAME ABS GOTO"}  
{WriteLn " WINDOW CALC GRAPH"}  
{Return}
```

MATH

```
{Box}  
{GotoXy 1,5}  
{WriteLn "Mathematical:"}  
{WriteLn ""}  
{WriteLn "@INT(A1) - Returns integer value of value, digits truncated"}  
{WriteLn "@MOD(A1,3) - Returns remainder after division "  
{WriteLn ""}  
{WriteLn "@SIN(A1) - Returns sin of angle, A1 in radians"}  
{WriteLn "@COS(A1) - Returns Cosine of angle, A1 in radians"}  
{WriteLn "@TAN(A1) - Returns tangent of angle, A1 in radians"}  
{WriteLn ""}  
{WriteLn "@ASIN(A1) - Returns Arc Sine, angle in radians"}  
{WriteLn "@ACOS(A1) - Returns Arc Cosine, angle in radians"}  
{WriteLn "@ATAN(A1) - Returns Arc Tangent, angle in radians"}  
{GetLabel " Press [enter] to continue demo . . . ",a2}  
{ClrScr}  
{BOX}  
{GotoXy 1,5}  
{WriteLn "@LOG(A1) - Returns log of value, to base 10"}  
{WriteLn "@LN(A1) - returns LN of value, to base E=2.71...."}  
{WriteLn "@EXP(A1) - Return value of E raised to power of A1"}  
{WriteLn "ROUND(A1,A2) - Round the value A1 to base specified by 10^A2"}  
{WriteLn ""}  
{WriteLn "@ERR - Constant , forces error"}  
{Return}
```

Sheet1

```
{WriteLn "@PI - Constant, value =3.14159...."}
{WriteLn "@NA - Constant with value= -1"}
{FOOTER}
{Ret}
```

```
FINANCE {Box}
{GotoXy 1,5}
{WriteLn "Financial:"}
{WriteLn ""}
{WriteLn "@PV(interest,Range) - Returns present value of cash stream in Range"}
{WriteLn ""}
{WriteLn "@FV(interest, Range) - Returns future value of cash stream"}
{WriteLn ""}
{WriteLn "@NPV(interest,Range) - Returns net present value of cash stream"}
{WriteLn ""}
{WriteLn "@IRR(guess,Range) - Returns rate of return of cash stream"}
{WriteLn ""}
{WriteLn "@PMT(Amount,Rate,Period) - Returns equal payments over period to
{WriteLn ""}
{WriteLn " pay off amount."}
{FOOTER}
{Ret}
```

```
LOGIC {Box}
{GotoXy 1,5}
{WriteLn "Logical:"}
{WriteLn ""}
{WriteLn "@IF(Test,A1,A2) - Returns A1 if test is TRUE, A2 if test is false"}
{WriteLn ""}
{WriteLn "@ISERR(A1) - Returns TRUE if A1 had value of ERR"}
{WriteLn ""}
{WriteLn "@TRUE - Constant with a value of 1"}
{WriteLn ""}
{WriteLn "@FALSE - Constant with a value of 0"}
{WriteLn ""}
{WriteLn "@NOT(A1) - Reverses logic of arguement, TRUE becomes FALSE"}
{WriteLn ""}
{WriteLn "#OR# - Logical OR , i.e. 1#OR#4 = 5"}
{WriteLn ""}
{WriteLn "#AND# - Logical AND , i.e. 1#AND#3 = 1"}
{WriteLn ""}
{WriteLn "#XOR# - Logical XOR , i.e. 2#XOR#3 = 1"}
{FOOTER}
{Ret}
```

```
DATES {Box}
{GotoXy 1,5}
{WriteLn "Dates:"}
{WriteLn ""}
```

Sheet1

```
{WriteLn "@TODAY          - Returns unique number corresponding to todays date"}
{WriteLn ""}
{WriteLn "@DATE(Year,Month,Day) - Returns unique date number."}
{WriteLn ""}
{WriteLn ""}
{WriteLn "The following functions base calculations on an argument"}
{WriteLn "which represents the total number of elapsed days since Jan 1,1980"}
{WriteLn ""}
{WriteLn "For example if A1 has a value of 31912 , date = 15 May ,87"}
{WriteLn ""}
{WriteLn "@DAY(A1)   - Returns day in month = 15"}
{WriteLn ""}
{WriteLn "@MONTH(A1) - Returns Month in year = 5"}
{WriteLn ""}
{WriteLn "@YEAR(A1)  - Returns YEAR      = 87"}
{FOOTER}
{Ret}
```

STATS

```
{Box}
{GotoXy 1,5}
{WriteLn "Statistical:"}
{WriteLn ""}
{WriteLn "SUM  AVG  COUNT  MIN  MAX  VAR  STD"}
{WriteLn "@SUM(Range) - Return the summation of the range"}
{WriteLn "@AVG(Range) - Return the average of the range"}
{WriteLn "@COUNT(Range) - Return the number of filled cells in range"}
{WriteLn "@MAX(Range) - Return the maximum value in the range"}
{WriteLn "@MIN(Range) - Return the minimum value in the range"}
{WriteLn "@VAR(Range) - Return the variance of the range"}
{WriteLn "@STD(Range) - Return the standard deviation of the range"}
{WriteLn ""}
{WriteLn "@HTABLE(Test,Range,offset)"}
{WriteLn "@VTABLE(Test,Range,offset)"}
{FOOTER}
{Return}
```

MENU

\A

\0

COPY

ENDPROG

START

MACROS

FUNCTIONS

Sheet1

|                                  |                      |                  |              |                        |
|----------------------------------|----------------------|------------------|--------------|------------------------|
| 2) Functions                     | 3) Macros            | 4) Exit Tutorial |              |                        |
| {MenuCall FUNCTIONS}<br>{Return} | {Macros}<br>{Return} | {Jump ENDPROG}   |              |                        |
| 2) Financial                     | 3) Statistical       | 4) Dates         | 5) Logical   | 6) Return to Main Menu |
| {Jump FINANCE}                   | {Jump STATS}         | {Jump DATES}     | {Jump LOGIC} | {Ret}                  |

C1  
B1  
B1  
B21  
B12  
B1  
B40  
B54

