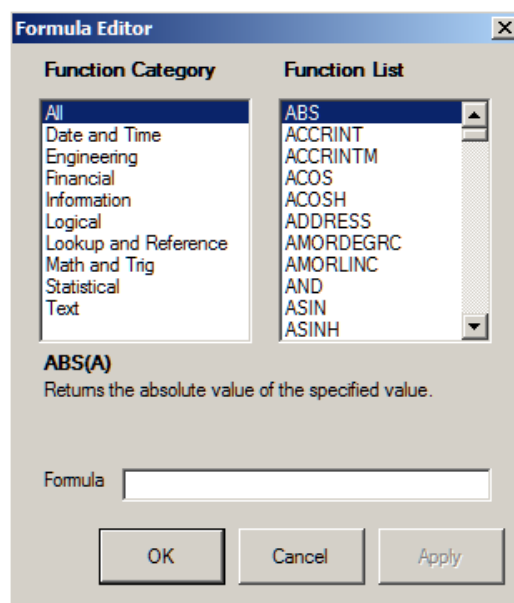


Functions Available in the FP&A Work Sheet Tool/Formula Editor

The Certified Corporate Financial Planning & Analysis Professional (FP&A) exams provide a work sheet tool for use by candidates. Clicking on the function (fx) icon at the top of the work sheet tool opens a Formula Editor pop-up screen, as follows:



The chart on the following pages lists the functions available in the Formula Editor. The chart provides the same information that is presented within the Formula Editor itself, including a brief description of the function, the basic syntax for the related formula, and the function category under which each function is listed.

Please keep in mind that just because all available functions are listed in this chart, it does not mean that FP&A candidates need to have in-depth knowledge of each function/formula. Candidates will be expected to know how to use functions that are necessary to resolve problems that might be encountered as an FP&A professional.

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Function	Category	Description in Formula Editor	Syntax in Formula Editor
ABS	Math and Trig	Returns the absolute value of the specified value.	ABS(A)
ACCRINT	Financial	Returns the accrued interest for a security that pays periodic interest.	ACCRINT(A,B,C,D,E,F,G)
ACCRINTM	Financial	Returns the accrued interest for a security that pays interest at maturity.	ACCRINTM(A,B,C,D,E)
ACOS	Math and Trig	Returns the angle whose cosine is the specified value. The angle is in radians between 0 (zero) and pi.	ACOS(A)
ACOSH	Math and Trig	Returns the inverse hyperbolic cosine of the specified value.	ACOSH(A)
ADDRESS	Lookup and Reference	Creates a cell address as text, given specified row and column numbers.	ADDRESS(A,B,C,D,E)
AMORDEGRC	Financial	Returns the depreciation for each accounting period.	AMORDEGRC(A,B,C,D,E,F,G)
AMORLINC	Financial	Returns the depreciation for each accounting period.	AMORLINC(A,B,C,D,E,F,G)
AND	Logical	Returns true if all its arguments are true; otherwise, returns false if one or more arguments are false.	AND(value1,value2,...)
ASIN	Math and Trig	Returns the angle whose sine is the specified value.	ASIN(A)
ASINH	Math and Trig	Returns the inverse hyperbolic sine of a number.	ASINH(A)
ATAN	Math and Trig	Returns the angle whose tangent is the specified value.	ATAN(A)
ATAN2	Math and Trig	Returns the arctangent of the specified x- and y-coordinates.	ATAN2(A,B)
ATANH	Math and Trig	Returns the inverse hyperbolic tangent of a number.	ATANH(A)
AVEDEV	Statistical	Returns the average of the absolute deviations of the specified values from their mean.	AVEDEV(value1,value2,...)
AVERAGE	Statistical	Returns the average of the specified values.	AVERAGE(value1,value2,...)
AVERAGEA	Statistical	Returns the average of the specified values.	AVERAGEA(value1,value2,...)
BESSELI	Engineering	Returns the Bessel function of the first kind evaluated for purely imaginary arguments.	BESSELI(A,B)
BESSELJ	Engineering	Returns the Bessel function of the first kind.	BESSELJ(A,B)
BESSELK	Engineering	Returns the modified Bessel function of the second kind evaluated for purely imaginary arguments.	BESSELK(A,B)
BESSELY	Engineering	Returns the Bessel function of the second kind.	BESSELY(A,B)
BETADIST	Statistical	Returns the cumulative beta distribution function.	BETADIST(A,B,C,D,E)
BETAINV	Statistical	Returns the inverse of the cumulative beta distribution function.	BETAINV(A,B,C,D,E)

Function	Category	Description in Formula Editor	Syntax in Formula Editor
BIN2DEC	Engineering	Converts a binary number to decimal.	BIN2DEC(A)
BIN2HEX	Engineering	Converts a binary number to a hexadecimal.	BIN2HEX(A,B)
BIN2OCT	Engineering	Converts a binary number to a octal.	BIN2OCT(A,B)
BINOMDIST	Statistical	Returns the individual term binomial distribution probability.	BINOMDIST(A,B,C,D)
CEILING	Math and Trig	Rounds a number up to the nearest multiple of a specified value.	CEILING(A,B)
CHAR	Text	Returns the character specified by a number.	CHAR(A)
CHIDIST	Statistical	Returns the one-tailed probability of the chi-squared distribution.	CHIDIST(A,B)
CHIINV	Statistical	Returns the inverse of the one-tailed probability of the chi-squared distribution.	CHIINV(A,B)
CHITEST	Statistical	Returns the test for independence from the chi-squared distribution.	CHITEST(A,B)
CHOOSE	Lookup and Reference	Returns a value from a list of values.	CHOOSE(value1,value2,...)
CLEAN	Text	Removes all nonprintable characters from text.	CLEAN(A)
CODE	Text	Returns a numeric code to represent the first character in a text string.	CODE(A)
COLUMN	Lookup and Reference	Returns the column number of a reference.	COLUMN(A)
COLUMNS	Lookup and Reference	Returns the number of columns in an array or reference.	COLUMNS(A)
COMBIN	Math and Trig	Returns the number of possible combinations for a specified number of items.	COMBIN(A,B)
COMPLEX	Engineering	Converts real and imaginary coefficients into a complex number of the form $x + yi$ or $x + yj$.	COMPLEX(A,B,C)
CONCATENATE	Text	Combines multiple text strings or numbers into one text string.	CONCATENATE(value1,value2,...)
CONFIDENCE	Statistical	Returns the confidence interval for a population mean.	CONFIDENCE(A,B,C)
CONVERT	Engineering	Converts a number from one measurement system to another.	CONVERT(A,B,C)
CORREL	Statistical	Returns the correlation coefficient of the two sets of data.	CORREL(A,B)
COS	Math and Trig	Returns the cosine of the specified angle.	COS(A)
COSH	Math and Trig	Returns the hyperbolic cosine of the specified value.	COSH(A)
COUNT	Statistical	Counts the number of number values in the arguments.	COUNT(value1,value2,...)

Function	Category	Description in Formula Editor	Syntax in Formula Editor
COUNTA	Statistical	Counts the number of number values in the arguments.	COUNTA(value1,value2,...)
COUNTBLANK	Information	Returns the number of empty (or blank) cells in a range of cells on a sheet.	COUNTBLANK(A)
COUNTIF	Math and Trig	Counts the number of cells within a range that meet the given criteria.	COUNTIF(A,B)
COUPDAYBS	Financial	Returns the number of days from the beginning of the coupon period to the settlement date.	COUPDAYBS(A,B,C,D)
COUPDAYS	Financial	Returns the number of days in the coupon period that contains the settlement date.	COUPDAYS(A,B,C,D)
COUPDAYSNC	Financial	Returns the number of days from the settlement date to the next coupon date.	COUPDAYSNC(A,B,C,D)
COUPNCD	Financial	Returns a number that represents the next coupon date after the settlement date.	COUPNCD(A,B,C,D)
COUPNUM	Financial	Returns the number of coupons payable between the settlement date and maturity date, rounded up to the nearest whole coupon.	COUPNUM(A,B,C,D)
COUPPCD	Financial	Returns a number that represents the previous coupon date before the settlement date.	COUPPCD(A,B,C,D)
COVAR	Statistical	Returns the average of the products of deviations for each data point pair in two sets of numbers.	COVAR(A,B)
CRITBINOM	Statistical	Returns the smallest value for which the cumulative binomial distribution is greater than or equal to a criterion value.	CRITBINOM(A,B,C)
CUMIPMT	Financial	Returns the cumulative interest paid on a loan between start_period and end_period.	CUMIPMT(A,B,C,D,E,F)
CUMPRINC	Financial	Returns the cumulative principal paid on a loan between the start_period and end_period.	CUMPRINC(A,B,C,D,E,F)
DATE	Date and Time	Returns the DateTime object for a particular date, specified by the year, month, and day.	DATE(A,B,C)
DATEDIF	Date and Time	Calculates the difference between 2 dates.	DATEDIF(A,B,C)
DATEVALUE	Date and Time	Returns the DateTime object of the specified date.	DATEVALUE(A)
DAVERAGE	All	Returns the average of values in a column in a list that match the specified conditions.	DAVERAGE(A,B,C)

Function	Category	Description in Formula Editor	Syntax in Formula Editor
DAY	Date and Time	Returns the day number of the month (integer 1 to 31) that corresponds to the specified date.	DAY(A)
DAYS360	Date and Time	Returns the number of days between two dates based on a 360-day year.	DAYS360(A,B,C)
DB	Financial	Returns the depreciation of an asset for a specified period using the fixed-declining balance method.	DB(A,B,C,D,E)
DCOUNT	All	Counts the cells that contain numbers in a column in a list that match the specified conditions.	DCOUNT(A,B,C)
DCOUNTA	All	Counts the cells that are not empty in a column in a list that match the specified conditions.	DCOUNTA(A,B,C)
DDB	Financial	Returns the depreciation of an asset for a specified period using the double-declining balance method or another method you specify.	DDB(A,B,C,D,E)
DEC2BIN	Engineering	Converts a decimal number to a binary.	DEC2BIN(A,B,)
DEC2HEX	Engineering	Converts a decimal number to a hexadecimal.	DEC2HEX(A,B)
DEC2OCT	Engineering	Converts a decimal number to an octal.	DEC2OCT(A,B)
DEGREES	Math and Trig	Converts the specified value from radians to degrees.	DEGREES(A)
DELTA	Engineering	Identifies whether two values are equal.	DELTA(A,B)
DEVSQ	Statistical	Returns the sum of squares of deviations of data points from their sample mean.	DEVSQ(value1,value2,...)
DGET	All	Extracts a single value from a column in a list that matches the specified conditions.	DGET(A,B,C)
DISC	Financial	Returns the discount rate for a security.	DISC(A,B,C,D,E)
DMAX	All	Returns the largest number in a column in a list that matches the specified conditions.	DMAX(A,B,C)
DMIN	All	Returns the smallest number in a column in a list that matches the specified conditions.	DMIN(A,B,C)
DOLLAR	Text	Converts a number to text using currency format, with the decimals rounded to the specified place.	DOLLAR(A,B)
DOLLARDE	Financial	Converts a dollar price expressed as a fraction into a dollar price expressed as a decimal number.	DOLLARDE(A,B)

Function	Category	Description in Formula Editor	Syntax in Formula Editor
DOLLARFR	Financial	Converts a dollar price expressed as a fraction into a dollar price expressed as a decimal number.	DOLLARFR(A,B)
DPRODUCT	All	Multiplies the values in a column in a list that match the specified conditions.	DPRODUCT(A,B,C)
DSTDEV	All	Estimates the standard deviation of a population based on a sample, using the values in a column in a list that match the specified conditions.	DSTDEV(A,B,C)
DSTDEVP	All	Calculates the standard deviation of a population based on the entire population, using the values in a column in a list that match the specified conditions.	DSTDEVP(A,B,C)
DSUM	All	Adds the values in a column in a list that match the specified conditions.	DSUM(A,B,C)
DURATION	Financial	Returns the Macauley duration for an assumed par value of \$100.	DURATION(A,B,C,D,E,F)
DVAR	All	Estimates the variance of a population based on a sample, using the values in a column in a list that match the specified conditions.	DVAR(A,B,C)
DVARP	All	Calculates the variance of a population based on the entire population, using the values in a column in a list that match the specified conditions.	DVARP(A,B,C)
EDATE	Date and Time	Returns the DateTime object that is the indicated number of months before or after a specified date.	EDATE(A,B)
EFFECT	Financial	Returns the effective annual interest rate for a given nominal annual interest rate and the number of compounding periods per year.	EFFECT(A,B)
EOMONTH	Date and Time	Returns the DateTime object for the last day of the month (end of month) that is the indicated number of months before or after the start date.	EOMONTH(A,B)
ERF	Engineering	Returns the error function integrated between a lower and an upper limit.	ERF(A,B)
ERFC	Engineering	Returns the complementary error function integrated between a lower limit and infinity.	ERFC(A)

Function	Category	Description in Formula Editor	Syntax in Formula Editor
ERRORTYPE	Information	Returns a number corresponding to one of the error values.	ERRORTYPE(A)
EURO	Financial	Returns one euro as a given national currency.	EURO(A)
EUROCONVERT	Financial	Converts a currency value from one source to another.	EUROCONVERT(A,B,C,D,E)
EVEN	Math and Trig	Rounds the specified value up to the nearest even integer.	EVEN(A)
EXACT	Text	Returns 1 (True) if two strings are the same; otherwise, 0 (False).	EXACT(A,B)
EXP	Math and Trig	Returns e raised to the power of the specified value.	EXP(A)
EXPONDIST	Statistical	Returns the exponential distribution or the probability density.	EXPONDIST(A,B,C)
FACT	Math and Trig	Returns the factorial of the specified number.	FACT(A)
FACTDOUBLE	Math and Trig	Returns the double factorial of a number.	FACTDOUBLE(A)
FALSE	Logical	Returns the value for logical false.	FALSE()
FDIST	Statistical	Returns the F probability distribution, to see degrees of diversity between two sets of data.	FDIST(A,B,C)
FIND	Text	Finds one text value within another.	FIND(A,B,C)
FINV	Statistical	Returns the inverse of the F probability distribution.	FINV(A,B,C)
FISHER	Statistical	Returns the Fisher transformation for a specified value.	FISHER(A)
FISHERINV	Statistical	Returns the inverse of the Fisher transformation.	FISHERINV(A)
FIXED	Text	Rounds a number to the specified number of decimals, formats the number in decimal format using a period and commas, and returns the result as text.	FIXED(A,B,C)
FLOOR	Math and Trig	Rounds a number down to the nearest multiple of a specified value.	FLOOR(A,B)
FORECAST	Statistical	Calculates a future value using existing values.	FORECAST(A,B,C)
FREQUENCY	Statistical	Calculates how often values occur within a range of values, and then returns a vertical array of numbers.	FREQUENCY(A,B)
FTEST	Statistical	Represents the FTEST function.	FTEST(A,B)
FV	Financial	Returns the future value of an investment based on a present value, periodic payments, and a specified interest rate.	FV(A,B,C,D,E)
FVSCHEDULE	Financial	Returns the future value of an initial principal after applying a series of compound interest rates.	FVSCHEDULE(A,B)
GAMMADIST	Statistical	Returns the gamma distribution.	GAMMADIST(A,B,C,D)
GAMMAINV	Statistical	Returns the inverse of the gamma cumulative distribution.	GAMMAINV(A,B,C)

Function	Category	Description in Formula Editor	Syntax in Formula Editor
GAMMALN	Statistical	Returns the natural logarithm of the Gamma function.	GAMMALN(A)
GCD	Math and Trig	Returns the greatest common divisor of two numbers.	GCD(value1,value2,...)
GEOMEAN	Statistical	Returns the geometric mean of a set of positive data.	GEOMEAN(value1,value2,...)
GESTEP	Engineering	Returns an indication of whether a number is equal to a threshold.	GESTEP(A,B)
GROWTH	Statistical	Calculates predicted exponential growth by using existing data.	GROWTH(A,B,C,D)
HARMEAN	Statistical	Returns the harmonic mean of a data set.	HARMEAN(value1,value2,...)
HEX2BIN	Engineering	Converts a hexadecimal number to a binary.	HEX2BIN(A,B)
HEX2DEC	Engineering	Converts a hexadecimal number to a decimal.	HEX2DEC(A)
HEX2OCT	Engineering	Converts a hexadecimal to an octal.	HEX2OCT(A,B)
HLOOKUP	Lookup and Reference	Searches for a value in the top row of a table or an array of values, and then returns a value in the same column from a row you specify in the table or array.	HLOOKUP(A,B,C,D)
HOUR	Date and Time	Returns the hour that corresponds to the provided time.	HOUR(A)
HYPGEOMDIST	Statistical	Returns the hypergeometric distribution.	HYPGEOMDIST(A,B,C,D)
IF	Logical	Returns one of two provided values based on a logical value after performing a comparison.	IF(A,B,C)
IMABS	Engineering	Returns the absolute value (modulus) of a complex number in x + yi or x + yj text format.	IMABS(A)
IMAGINARY	Engineering	Returns the imaginary coefficient of a complex number in x + yi or x + yj text format.	IMAGINARY(A)
IMARGUMENT	Engineering	Returns the argument q (theta) an angle expressed in radians.	IMARGUMENT(A)
IMCONJUGATE	Engineering	Returns the complex conjugate of a complex number in x + yi or x + yj text format.	IMCONJUGATE(A)
IMCOS	Engineering	Returns the cosine of a complex number in x + yi or x + yj text format.	IMCOS(A)
IMDIV	Engineering	Returns the quotient of two complex numbers in x + yi or x + yj text format.	IMDIV(A,B)
IMEXP	Engineering	Returns the exponential of a complex number in x + yi or x + yj text format.	IMEXP(A)
IMLN	Engineering	Returns the natural logarithm of a complex number in x + yi or x + yj text format.	IMLN(A)

Function	Category	Description in Formula Editor	Syntax in Formula Editor
IMLOG10	Engineering	Returns the common logarithm (base 10) of a complex number in $x + yi$ or $x + yj$ text format.	IMLOG10(A)
IMLOG2	Engineering	Returns the base-2 logarithm of a complex number in $x + yi$ or $x + yj$ text format.	IMLOG2(A)
IMPOWER	Engineering	Returns a complex number in $x + yi$ or $x + yj$ text format raised to a power.	IMPOWER(A,B)
IMPRODUCT	Engineering	Returns the product of 2 to 29 complex numbers in $x + yi$ or $x + yj$ text format.	IMPRODUCT(value1,value2,...)
IMREAL	Engineering	Returns the real coefficient of a complex number in $x + yi$ or $x + yj$ text format.	IMREAL(A)
IMSIN	Engineering	Returns the sine of a complex number in $x+yi$ or $x+yj$ text format.	IMSIN(A)
IMSQRT	Engineering	Returns the square root of a complex number in $x+yi$ or $x+yj$ text format.	IMSQRT(A)
IMSUB	Engineering	Returns the difference of two complex numbers in $x+yi$ or $x+yj$ text format.	IMSUB(A,B)
IMSUM	Engineering	Returns the sum of two or more complex numbers in $x+yi$ or $x+yj$ text format.	IMSUM(value1,value2,...)
INDEX	Lookup and Reference	Returns a value or the reference to a value from within an array or range.	INDEX(A,B,C,D)
INT	Math and Trig	Rounds a specified number down to the nearest integer.	INT(A)
INTERCEPT	Statistical	Calculates the point at which a line intersects the y-axis by using existing x-values and y-values.	INTERCEPT(A,B)
INTRATE	Financial	Returns the interest rate for a fully invested security.	INTRATE(A,B,C,D,E)
IPMT	Financial	Returns the calculation of payment of interest on a loan.	IPMT(A,B,C,D,E,F)
IRR	Financial	Returns the internal rate of return for a series of cash flows represented by the numbers in values.	IRR(A,B)
ISBLANK	Information	Tests whether a value, expression, or referenced cell is empty.	ISBLANK(A)
ISERR	Information	Tests whether a value, expression, or referenced cell has an error other than not available (#N/A).	ISERR(A)
ISERROR	Information	Tests whether a value, expression, or referenced cell has an error of any kind.	ISERROR(A)

Function	Category	Description in Formula Editor	Syntax in Formula Editor
ISEVEN	Information	Tests whether a value, expression, or referenced cell is even.	ISEVEN(A)
ISLOGICAL	Information	Tests whether a value, expression, or referenced cell is a logical value.	ISLOGICAL(A)
ISNA	Information	Tests whether a value, expression, or referenced cell has the not available (#N/A) error value.	ISNA(A)
ISNONTEXT	Information	Tests whether a value, expression, or referenced cell has non-text data.	ISNONTEXT(A)
ISNUMBER	Information	Tests whether a value, expression, or referenced cell has numeric data.	ISNUMBER(A)
ISODD	Information	Tests whether a value, expression, or referenced cell is odd.	ISODD(A)
ISPMT	Financial	Calculates the interest paid during a specific period of an investment.	ISPMT(A,B,C,D)
ISREF	Information	Tests whether a value is a cell reference.	ISREF(A)
ISTEXT	Information	Tests whether a value, expression, or referenced cell has text data.	ISTEXT(A)
KURT	Statistical	Returns the kurtosis of a data set.	KURT(value1,value2,...)
LARGE	Statistical	Returns the nth largest value in a data set.	LARGE(A,B)
LCM	Math and Trig	Returns the least common multiple of integers.	LCM(value1,value2,...)
LEFT	Text	Returns the first (or leftmost) characters from a text value.	LEFT(A,B)
LEN	Text	Returns the number of characters in a text string.	LEN(A)
LINEST	Statistical	Calculates the statistics for a line by using the "least squares" method to calculate a straight line that best fits your data, and returns an array that describes the line.	LINEST(A,B,C,D)
LN	Math and Trig	Returns the natural logarithm of the specified number.	LN(A)
LOG	Math and Trig	Returns the logarithm base Y of a number X.	LOG(A,B)
LOG10	Math and Trig	Returns the logarithm base 10 of a number.	LOG10(A)
LOGEST	Statistical	In regression analysis, calculates an exponential curve that fits your data and returns an array of values that describes the curve.	LOGEST(A,B,C,D)
LOGINV	Statistical	Returns the inverse of the lognormal cumulative distribution function of x.	LOGINV(A,B,C)
LOGNORMDIST	Statistical	Returns the cumulative natural log normal distribution of x.	LOGNORMDIST(A,B,C)

Function	Category	Description in Formula Editor	Syntax in Formula Editor
LOOKUP	Lookup and Reference	Looks in the first row or column of an array for the specified value and returns a value from the same position in the last row or column of the array.	LOOKUP(A,B,C)
LOWER	Text	Converts text to lowercase letters.	LOWER(A)
MAX	Statistical	Returns the maximum value of all arguments.	MAX(value1,value2,...)
MAXA	Statistical	Returns the maximum value of all arguments.	MAXA(value1,value2,...)
MDETERM	Math and Trig	Returns the matrix determinant of an array.	MDETERM(A)
MDURATION	Financial	Returns the modified duration for a security with an assumed par value of \$100.	MDURATION(A,B,C,D,E,F)
MEDIAN	Statistical	Returns the number in the middle of the provided set of numbers.	MEDIAN(value1,value2,...)
MID	Text	Returns the requested number of characters from a text string starting at the position you specify.	MID(A,B,C)
MIN	Statistical	Returns the minimum value of all arguments.	MIN(value1,value2,...)
MINA	Statistical	Returns the minimum value of all arguments.	MINA(value1,value2,...)
MINUTE	Date and Time	Returns the minute corresponding to the provided time value.	MINUTE(A)
MINVERSE	Math and Trig	Returns the inverse matrix for the matrix stored in an array.	MINVERSE(A)
MIRR	Financial	Returns the modified internal rate of return for a series of periodic cash flows.	MIRR(A,B,C)
MMULT	Math and Trig	Returns the matrix product of two arrays. The result is an array with the same number of rows as array1 and the same number of columns as array2.	MMULT(A,B)
MOD	Math and Trig	Returns the remainder after the Number argument (dividend) is divided by the Divisor argument.	MOD(A,B)
MODE	Statistical	Returns the most frequently occurring value in a set of data.	MODE(value1,value2,...)
MONTH	Date and Time	Returns the month corresponding to the specified date value.	MONTH(A)
MROUND	Math and Trig	Returns a number rounded to the desired multiple.	MROUND(A,B)
MULTINOMIAL	Math and Trig	Calculates the ratio of the factorial of a sum of values to the product of factorials.	MULTINOMIAL(value1,value2,...)
N	Information	Returns a value converted to a number.	N(A)
NA	Information	Returns the error value #N/A that means 'not available'.	NA()

Function	Category	Description in Formula Editor	Syntax in Formula Editor
NEGBINOMDIST	Statistical	Returns the negative binomial distribution.	NEGBINOMDIST(A,B,C)
NETWORKDAYS	Date and Time	Returns the number of whole working days between the start date and end date.	NETWORKDAYS(A,B,C)
NOMINAL	Financial	Returns the nominal annual interest rate for a given effective rate and number of compounding periods per year.	NOMINAL(A,B)
NORMDIST	Statistical	Returns the normal cumulative distribution for the specified mean and standard deviation.	NORMDIST(A,B,C,D)
NORMINV	Statistical	Returns the inverse of the normal cumulative distribution for the given mean and standard deviation.	NORMINV(A,B,C)
NORMSDIST	Statistical	Returns the standard normal cumulative distribution function.	NORMSDIST(A)
NORMSINV	Statistical	Returns the inverse of the standard normal cumulative distribution.	NORMSINV(A)
NOT	Logical	Reverses the logical value of its argument.	NOT(A)
NOW	Date and Time	Returns the DateTime object of the current date and time.	NOW()
NPER	Financial	Returns the number of periods for an investment based on a present value, future value, periodic payments, and a specified interest rate.	NPER(A,B,C,D,E)
NPV	Financial	Calculates the net present value of an investment by using a discount rate and a series of future payments and income.	NPV(value1,value2,...)
OCT2BIN	Engineering	Converts an octal number to a binary.	OCT2BIN(A,B)
OCT2DEC	Engineering	Converts an octal number to a decimal.	OCT2DEC(A)
OCT2HEX	Engineering	Converts an octal number to a hexadecimal.	OCT2HEX(A,B)
ODD	Math and Trig	Rounds the specified value up to the nearest odd integer.	ODD(A)
ODDFPRICE	Financial	Returns the price per \$100 face value of a security having an odd (short or long) first period.	ODDFPRICE(A,B,C,D,E,F,G,H,I)
ODDFYIELD	Financial	Returns the yield of a security that has an odd (short or long) first period.	ODDFYIELD(A,B,C,D,E,F,G,H,I)
ODDLPRICE	Financial	Returns the price per \$100 face value of a security having an odd (short or long) last coupon period.	ODDLPRICE(A,B,C,D,E,F,G,H)
ODDLYIELD	Financial	Returns the yield of a security that has an odd (short or long) last period.	ODDLYIELD(A,B,C,D,E,F,G,H)

Function	Category	Description in Formula Editor	Syntax in Formula Editor
OFFSET	Lookup and Reference	Returns a range that is the specified number of rows and columns from the specified range.	OFFSET(A,B,C,D,E)
OR	Logical	Returns true if any argument is true; returns false if all arguments are false.	OR(value,value2,...)
PEARSON	Statistical	Returns the Pearson product moment correlation coefficient.	PEARSON(A,B)
PERCENTILE	Statistical	Returns the nth percentile of values in a range.	PERCENTILE(A,B)
PERCENTRANK	Statistical	Returns the rank of a value in a data set as a percentage of the data set.	PERCENTRANK(A,B,C)
PERMUT	Statistical	Returns the number of possible permutations for a specified number of items.	PERMUT(A,B)
PI	Math and Trig	Provides pi as 3.1415926536.	PI()
PMT	Financial	Returns the payment amount for a loan given the present value, specified interest rate, and number of terms.	PMT(A,B,C,D,E)
POISSON	Statistical	Returns the Poisson distribution.	POISSON(A,B,C)
POWER	Math and Trig	Raises the specified number to the given power.	POWER(A,B)
PPMT	Financial	Returns the amount of payment of principal.	PPMT(A,B,C,D,E,F)
PRICE	Financial	Returns the price per \$100 face value of a security that pays periodic interest.	PRICE(A,B,C,D,E,F,G)
PRICEDISC	Financial	Returns the price per \$100 face value of a discounted security.	PRICEDISC(A,B,C,D,E)
PRICEMAT	Financial	Returns the price at maturity per \$100 face value of a security that pays interest.	PRICEMAT(A,B,C,D,E,F)
PROB	Statistical	Returns the probability that values in a range are between two limits.	PROB(A,B,C,D)
PRODUCT	Math and Trig	Multiplies all the arguments and returns the product.	PRODUCT(value1,value2,...)
PROPER	Text	Capitalizes the first letter in each word of a text string.	PROPER(A)
PV	Financial	Returns the present value of an investment based on the interest rate, number and amount of periodic payments, and future value.	PV(A,B,C,D,E)
QUARTILE	Statistical	Returns the quartile (of which quarter or 25 percent) of a data set.	QUARTILE(A,B)
QUOTIENT	Math and Trig	Returns the integer portion of a division.	QUOTIENT(A,B)
RADIANS	Math and Trig	Converts the specified number from degrees to radians.	RADIANS(A)

Function	Category	Description in Formula Editor	Syntax in Formula Editor
RAND	Math and Trig	Returns an evenly distributed random number greater than or equal to 0 and less than 1.	RAND()
RANDBETWEEN	Math and Trig	Returns a random number between the numbers you specify.	RANDBETWEEN(A,B)
RANK	Statistical	Returns the rank of a number in a set of numbers.	RANK(A,B,C)
RATE	Financial	Returns the interest rate per period of an annuity.	RATE(A,B,C,D,E,F)
RECEIVED	Financial	Returns the amount received at maturity for a fully invested security.	RECEIVED(A,B,C,D,E)
REPLACE	Text	Replaces part of a text string with a different text string.	REPLACE(A,B,C,D)
REPT	Text	Repeats text a specified number of times.	REPT(A,B)
RIGHT	Text	Returns the rightmost characters from a text value.	RIGHT(A,B)
ROMAN	Math and Trig	Converts an arabic numeral to roman, as text.	ROMAN(A,B)
ROUND	Math and Trig	Rounds the specified value to the nearest number, using the specified number of decimal places.	ROUND(A,B)
ROUNDDOWN	Math and Trig	Rounds the specified number down to the nearest number, using the specified number of decimal places.	ROUNDDOWN(A,B)
ROUNDUP	Math and Trig	Rounds the specified number up to the nearest number, using the specified number of decimal places.	ROUNDUP(A,B)
ROW	Lookup and Reference	Returns the row number of a reference.	ROW(A)
ROWS	Lookup and Reference	Returns the number of rows in an array or reference.	ROWS(A)
RSQ	Statistical	Represents the RSQ function.	RSQ(A,B)
SECOND	Date and Time	Returns the seconds (0 to 59) value for a specified time value.	SECOND(A)
SERIESSUM	Math and Trig	Returns the sum of a power series.	SERIESSUM(A,B,C,D)
SIGN	Math and Trig	Returns the sign of a number.	SIGN(A)
SIN	Math and Trig	Returns the sine of the specified angle.	SIN(A)
SINH	Math and Trig	Returns the hyperbolic sine of the specified number.	SINH(A)
SKEW	Statistical	Returns the skewness of a distribution.	SKEW(value1,value2,...)
SLN	Financial	Returns the straight-line depreciation of an asset for one period.	SLN(A,B,C)
SLOPE	Statistical	Calculates the slope of a linear regression.	SLOPE(A,B)
SMALL	Statistical	Returns the nth smallest value in a data set.	SMALL(A,B)
SQRT	Math and Trig	Returns the positive square root of the specified number.	SQRT(A)

Function	Category	Description in Formula Editor	Syntax in Formula Editor
SQRTPI	Math and Trig	Returns the square root of pi.	SQRTPI(A)
STANDARDIZE	Statistical	Returns a normalized value from a distribution characterized by mean and standard deviation.	STANDARDIZE(A,B,C)
STDEV	Statistical	Returns the standard deviation for a set of numbers.	STDEV(value1,value2,...)
STDEVA	Statistical	Returns the standard deviation for a set of numbers.	STDEVA(value1,value2,...)
STDEVP	Statistical	Calculates the standard deviation based on the entire population given as arguments.	STDEVP(value1,value2,...)
STDEVPA	Statistical	Calculates standard deviation based on the entire population given as arguments.	STDEVPA(value1,value2,...)
STEYX	Statistical	Returns the standard error of the predicted y value for each x.	STEYX(A,B)
SUBSTITUTE	Text	Substitutes a new string for specified characters in an existing string.	SUBSTITUTE(A,B,C,D)
SUBTOTAL	Math and Trig	Returns a subtotal.	SUBTOTAL(value1,value2,...)
SUM	Math and Trig	Sums values, cells, or blocks.	SUM(value1,value2,...)
SUMIF	Math and Trig	Adds the cells specified by a given criteria.	SUMIF(A,B,C)
SUMPRODUCT	Math and Trig	Multiplies corresponding components in the given arrays, and returns the sum of those products.	SUMPRODUCT(value1,value2,...)
SUMSQ	Math and Trig	Returns the sum of the squares of the arguments.	SUMSQ(value1,value2,...)
SUMX2MY2	Math and Trig	Returns the sum of the difference of the squares of two arrays.	SUMX2MY2(A,B)
SUMX2PY2	Math and Trig	Returns the sum of the sum of squares of corresponding values in two arrays.	SUMX2PY2(A,B)
SUMXMY2	Math and Trig	Returns the sum of the difference of squares of corresponding values in two arrays.	SUMXMY2(A,B)
SYD	Financial	Returns the sum-of-years' digits depreciation of an asset for a specified period.	SYD(A,B,C,D)
T	Text	Returns the text referred to by value.	T(A)
TAN	Math and Trig	Returns the tangent of the specified angle.	TAN(A)
TANH	Math and Trig	Returns the hyperbolic tangent of the specified number.	TANH(A)
TBILLEQ	Financial	Returns the equivalent yield for a Treasury bill (or T-bill).	TBILLEQ(A,B,C)
TBILLPRICE	Financial	Returns the price per \$100 face value for a treasury bill.	TBILLPRICE(A,B,C)
TBILLYIELD	Financial	Returns the yield for a Treasury bill (or T-bill).	TBILLYIELD(A,B,C)

Function	Category	Description in Formula Editor	Syntax in Formula Editor
TDIST	Statistical	Returns the probability for the t-distribution.	TDIST(A,B,C)
TIME	Date and Time	Returns a TimeSpan object for the given hour, minute, and second.	TIME(A,B,C)
TIMEVALUE	Date and Time	Returns a TimeSpan object represented by a text string.	TIMEVALUE(A)
TINV	Statistical	Returns the t-value of the t-distribution as a function of the probability and the degrees of freedom.	TINV(A,B)
TODAY	Date and Time	Returns the DateTime object of the current date.	TODAY()
TRANSPOSE	Lookup and Reference	Returns a vertical range of cells as a horizontal range, or vice versa.	TRANSPOSE(A)
TREND	Statistical	Returns values along a linear trend.	TREND(A,B,C,D)
TRIM	Text	Removes extra spaces from a string and leaves single spaces between words.	TRIM(A)
TRIMMEAN	Statistical	Returns the mean of a subset of data excluding the topmost and bottommost data.	TRIMMEAN(A,B)
TRUE	Logical	Returns the value for logical true.	TRUE()
TRUNC	Math and Trig	Removes the specified fractional part of the specified number.	TRUNC(A,B)
TTEST	Statistical	Returns the probability associated with a t-test.	TTEST(A,B,C,D)
TYPE	Information	Returns the type of value.	TYPE(A)
UPPER	Text	Converts text to uppercase.	UPPER(A)
VALUE	Text	Converts a string that represents a number to a number.	VALUE(A)
VAR	Statistical	Calculates variance based on a sample of a population.	VAR(value1,value2,...)
VARA	Statistical	Calculates variance based on a sample of a population.	VARA(value1,value2,...)
VARP	Statistical	Calculates variance based on the entire population.	VARP(value1,value2,...)
VARPA	Statistical	Calculates variance based on the entire population.	VARPA(value1,value2,...)
VDB	Financial	Returns the depreciation of an asset for any period you specify using the variable declining balance method.	VDB(A,B,C,D,E,F,G)
VLOOKUP	Lookup and Reference	Searches for a value in the leftmost column of a table, and then returns a value in the same row from a column you specify in the table.	VLOOKUP(A,B,C,D)
WEEKDAY	Date and Time	Returns the number corresponding to the day of the week for a specified date.	WEEKDAY(A,B)

Function	Category	Description in Formula Editor	Syntax in Formula Editor
WEEKNUM	Date and Time	Returns a number that indicates the week of the year numerically.	WEEKNUM(A,B)
WEIBULL	Statistical	Returns the two-parameter Weibull distribution.	WEIBULL(A,B,C,D)
WORKDAY	Date and Time	Returns a number that represents a date that is the indicated number working days before or after start date.	WORKDAY(A,B,C)
XIRR	Financial	Returns the internal rate of return for a schedule of cash flows that is not necessarily periodic.	XIRR(A,B,C)
XNPV	Financial	Returns the net present value for a schedule of cash flows that is not necessarily periodic.	XNPV(A,B,C)
YEAR	Date and Time	Returns the year as an integer for a specified date.	YEAR(A)
YEARFRAC	Date and Time	Calculates the fraction of the year represented by the number of whole days between two dates.	YEARFRAC(A,B,C)
YIELD	Financial	Returns the yield on a security that pays periodic interest.	YIELD(A,B,C,D,E,F,G)
YIELDDISC	Financial	Returns the annual yield for a discounted security.	YIELDDISC(A,B,C,D,E)
YIELDMAT	Financial	Returns the annual yield of a security that pays interest at maturity.	YIELDMAT(A,B,C,D,E,F)
ZTEST	Statistical	Returns the significance value of a z-test.	ZTEST(A,B,C)