

EXCEL FUNCTIONS – FULL LIST

This is a complete alphabetical list of all the Functions in Excel with a description. To see the syntax and a more in depth description, the function is a [link](#) to the Microsoft Excel site.

FUNCTION	TYPE AND DESCRIPTION
ABS function	Math and trigonometry: Returns the absolute value of a number
ACCRINT function	Financial: Returns the accrued interest for a security that pays periodic interest
ACCRINTM function	Financial: Returns the accrued interest for a security that pays interest at maturity
ACOS function	Math and trigonometry: Returns the arccosine of a number
ACOSH function	Math and trigonometry: Returns the inverse hyperbolic cosine of a number
ADDRESS function	Lookup and reference: Returns a reference as text to a single cell in a worksheet
AMORDEGRC function	Financial: Returns the depreciation for each accounting period by using a depreciation coefficient
AMORLINC function	Financial: Returns the depreciation for each accounting period
AND function	Logical: Returns TRUE if all of its arguments are TRUE
AREAS function	Lookup and reference: Returns the number of areas in a reference
ASC function	Text: Changes full-width (double-byte) English letters or katakana within a character string to half-width (single-byte) characters
ASIN function	Math and trigonometry: Returns the arcsine of a number
ASINH function	Math and trigonometry: Returns the inverse hyperbolic sine of a number
ATAN function	Math and trigonometry: Returns the arctangent of a number
ATAN2 function	Math and trigonometry: Returns the arctangent from x- and y-coordinates
ATANH function	Math and trigonometry: Returns the inverse hyperbolic tangent of a number
AVEDEV function	Statistical: Returns the average of the absolute deviations of data points from their mean
AVERAGE function	Statistical: Returns the average of its arguments
AVERAGEA function	Statistical: Returns the average of its arguments, including numbers, text, and logical values
AVERAGEIF function	Statistical: Returns the average (arithmetic mean) of all the cells in a range that meet a given criteria
AVERAGEIFS function	Statistical: Returns the average (arithmetic mean) of all cells that meet multiple criteria.
BAHTTEXT function	Text: Converts a number to text, using the ₮ (baht) currency format

BESSELI function	Engineering: Returns the modified Bessel function $I_n(x)$
BESSELJ function	Engineering: Returns the Bessel function $J_n(x)$
BESSELK function	Engineering: Returns the modified Bessel function $K_n(x)$
BESSELY function	Engineering: Returns the Bessel function $Y_n(x)$
BETADIST function	Statistical: Returns the beta cumulative distribution function
BETAINV function	Statistical: Returns the inverse of the cumulative distribution function for a specified beta distribution
BIN2DEC function	Engineering: Converts a binary number to decimal
BIN2HEX function	Engineering: Converts a binary number to hexadecimal
BIN2OCT function	Engineering: Converts a binary number to octal
BINOMDIST function	Statistical: Returns the individual term binomial distribution probability
CALL function	Add-in and Automation: Calls a procedure in a dynamic link library or code resource
CEILING function	Math and trigonometry: Rounds a number to the nearest integer or to the nearest multiple of significance
CELL function	Information: Returns information about the formatting, location, or contents of a cell
CHAR function	Text: Returns the character specified by the code number
CHIDIST function	Statistical: Returns the one-tailed probability of the chi-squared distribution
CHIINV function	Statistical: Returns the inverse of the one-tailed probability of the chi-squared distribution
CHITEST function	Statistical: Returns the test for independence
CHOOSE function	Lookup and reference: Chooses a value from a list of values
CLEAN function	Text: Removes all nonprintable characters from text
CODE function	Text: Returns a numeric code for the first character in a text string
COLUMN function	Lookup and reference: Returns the column number of a reference
COLUMNS function	Lookup and reference: Returns the number of columns in a reference
COMBIN function	Math and trigonometry: Returns the number of combinations for a given number of objects
COMPLEX function	Engineering: Converts real and imaginary coefficients into a complex number
CONCATENATE function	Text: Joins several text items into one text item
CONFIDENCE function	Statistical: Returns the confidence interval for a population mean
CONVERT function	Engineering: Converts a number from one measurement system to another
CORREL function	Statistical: Returns the correlation coefficient between two data sets

COS function	Math and trigonometry: Returns the cosine of a number
COSH function	Math and trigonometry: Returns the hyperbolic cosine of a number
COUNT function	Statistical: Counts how many numbers are in the list of arguments
COUNTA function	Statistical: Counts how many values are in the list of arguments
COUNTBLANK function	Statistical: Counts the number of blank cells within a range
COUNTIF function	Statistical: Counts the number of cells within a range that meet the given criteria
COUNTIFS function	Statistical: Counts the number of cells within a range that meet multiple criteria
COUPDAYBS function	Financial: Returns the number of days from the beginning of the coupon period to the settlement date
COUPDAYS function	Financial: Returns the number of days in the coupon period that contains the settlement date
COUPDAYSNC function	Financial: Returns the number of days from the settlement date to the next coupon date
COUPNCD function	Financial: Returns the next coupon date after the settlement date
COUPNUM function	Financial: Returns the number of coupons payable between the settlement date and maturity date
COUPPCD function	Financial: Returns the previous coupon date before the settlement date
COVAR function	Statistical: Returns covariance, the average of the products of paired deviations
CRITBINOM function	Statistical: Returns the smallest value for which the cumulative binomial distribution is less than or equal to a criterion value
CUBEKPIMEMBER function	Cube: Returns a key performance indicator (KPI) name, property, and measure, and displays the name and property in the cell. A KPI is a quantifiable measurement, such as monthly gross profit or quarterly employee turnover, used to monitor an organization's performance.
CUBEMEMBER function	Cube: Returns a member or tuple in a cube hierarchy. Use to validate that the member or tuple exists in the cube.
CUBEMEMBERPROPERTY function	Cube: Returns the value of a member property in the cube. Use to validate that a member name exists within the cube and to return the specified property for this member.
CUBERANKEDMEMBER function	Cube: Returns the nth, or ranked, member in a set. Use to return one or more elements in a set, such as the top sales performer or top 10 students.
CUBESET function	Cube: Defines a calculated set of members or tuples by sending a set expression to the cube on the server, which creates the set, and then returns that set to Microsoft Office Excel.
CUBESETCOUNT function	Cube: Returns the number of items in a set.
CUBEVALUE function	Cube: Returns an aggregated value from a cube.

CUMIPMT function	Financial: Returns the cumulative interest paid between two periods
CUMPRINC function	Financial: Returns the cumulative principal paid on a loan between two periods
DATE function	Date and time: Returns the serial number of a particular date
DATEVALUE function	Date and time: Converts a date in the form of text to a serial number
DAVERAGE function	Database: Returns the average of selected database entries
DAY function	Date and time: Converts a serial number to a day of the month
DAYS360 function	Date and time: Calculates the number of days between two dates based on a 360-day year
DB function	Financial: Returns the depreciation of an asset for a specified period by using the fixed-declining balance method
DCOUNT function	Database: Counts the cells that contain numbers in a database
DCOUNTA function	Database: Counts nonblank cells in a database
DDB function	Financial: Returns the depreciation of an asset for a specified period by using the double-declining balance method or some other method that you specify
DEC2BIN function	Engineering: Converts a decimal number to binary
DEC2HEX function	Engineering: Converts a decimal number to hexadecimal
DEC2OCT function	Engineering: Converts a decimal number to octal
DEGREES function	Math and trigonometry: Converts radians to degrees
DELTA function	Engineering: Tests whether two values are equal
DEVSQ function	Statistical: Returns the sum of squares of deviations
DGET function	Database: Extracts from a database a single record that matches the specified criteria
DISC function	Financial: Returns the discount rate for a security
DMAX function	Database: Returns the maximum value from selected database entries
DMIN function	Database: Returns the minimum value from selected database entries
DOLLAR function	Text: Converts a number to text, using the \$ (dollar) currency format
DOLLARDE function	Financial: Converts a dollar price, expressed as a fraction, into a dollar price, expressed as a decimal number
DOLLARFR function	Financial: Converts a dollar price, expressed as a decimal number, into a dollar price, expressed as a fraction
DPRODUCT function	Database: Multiplies the values in a particular field of records that match the criteria in a database
DSTDEV function	Database: Estimates the standard deviation based on a sample of selected database entries

DSTDEVP function	Database: Calculates the standard deviation based on the entire population of selected database entries
DSUM function	Database: Adds the numbers in the field column of records in the database that match the criteria
DURATION function	Financial: Returns the annual duration of a security with periodic interest payments
DVAR function	Database: Estimates variance based on a sample from selected database entries
DVARP function	Database: Calculates variance based on the entire population of selected database entries
EDATE function	Date and time: Returns the serial number of the date that is the indicated number of months before or after the start date
EFFECT function	Financial: Returns the effective annual interest rate
EOMONTH function	Date and time: Returns the serial number of the last day of the month before or after a specified number of months
ERF function	Engineering: Returns the error function
ERFC function	Engineering: Returns the complementary error function
ERROR.TYPE function	Information: Returns a number corresponding to an error type
EUROCONVERT function	Add-in and Automation: Converts a number to euros, converts a number from euros to a euro member currency, or converts a number from one euro member currency to another by using the euro as an intermediary (triangulation).
EVEN function	Math and trigonometry: Rounds a number up to the nearest even integer
EXACT function	Text: Checks to see if two text values are identical
EXP function	Math and trigonometry: Returns e raised to the power of a given number
EXPONDIST function	Statistical: Returns the exponential distribution
FACT function	Math and trigonometry: Returns the factorial of a number
FACTDOUBLE function	Math and trigonometry: Returns the double factorial of a number
FALSE function	Logical: Returns the logical value FALSE
FDIST function	Statistical: Returns the F probability distribution
FIND, FINDB functions	Text: Finds one text value within another (case-sensitive)
FINV function	Statistical: Returns the inverse of the F probability distribution
FISHER function	Statistical: Returns the Fisher transformation
FISHERINV function	Statistical: Returns the inverse of the Fisher transformation
FIXED function	Text: Formats a number as text with a fixed number of decimals
FLOOR function	Math and trigonometry: Rounds a number down, toward zero
FORECAST function	Statistical: Returns a value along a linear trend

FREQUENCY function	Statistical: Returns a frequency distribution as a vertical array
FTEST function	Statistical:
FV function	Financial: Returns the future value of an investment
FVSCHEDULE function	Financial: Returns the future value of an initial principal after applying a series of compound interest rates
GAMMADIST function	Statistical: Returns the gamma distribution
GAMMAINV function	Statistical: Returns the inverse of the gamma cumulative distribution
GAMMALN function	Statistical: Returns the natural logarithm of the gamma function, $\Gamma(x)$
GCD function	Math and trigonometry: Returns the greatest common divisor
GEOMEAN function	Statistical: Returns the geometric mean
GESTEP function	Engineering: Tests whether a number is greater than a threshold value
GETPIVOTDATA function	Add-in and Automation: Returns data stored in a PivotTable report
GROWTH function	Statistical: Returns values along an exponential trend
HARMEAN function	Statistical: Returns the harmonic mean
HEX2BIN function	Engineering: Converts a hexadecimal number to binary
HEX2DEC function	Engineering: Converts a hexadecimal number to decimal
HEX2OCT function	Engineering: Converts a hexadecimal number to octal
HLOOKUP function	Lookup and reference: Looks in the top row of an array and returns the value of the indicated cell
HOUR function	Date and time: Converts a serial number to an hour
HYPERLINK function	Lookup and reference: Creates a shortcut or jump that opens a document stored on a network server, an intranet, or the Internet
HYPGEOMDIST function	Statistical: Returns the hypergeometric distribution
IF function	Logical: Specifies a logical test to perform
IFERROR function	Logical: Returns a value you specify if a formula evaluates to an error; otherwise, returns the result of the formula
IMABS function	Engineering: Returns the absolute value (modulus) of a complex number
IMAGINARY function	Engineering: Returns the imaginary coefficient of a complex number
IMARGUMENT function	Engineering: Returns the argument theta, an angle expressed in radians
IMCONJUGATE function	Engineering: Returns the complex conjugate of a complex number
IMCOS function	Engineering: Returns the cosine of a complex number
IMDIV function	Engineering: Returns the quotient of two complex numbers
IMEXP function	Engineering: Returns the exponential of a complex number
IMLN function	Engineering: Returns the natural logarithm of a complex number

IMLOG10 function	Engineering: Returns the base-10 logarithm of a complex number
IMLOG2 function	Engineering: Returns the base-2 logarithm of a complex number
IMPOWER function	Engineering: Returns a complex number raised to an integer power
IMPRODUCT function	Engineering: Returns the product of complex numbers
IMREAL function	Engineering: Returns the real coefficient of a complex number
IMSIN function	Engineering: Returns the sine of a complex number
IMSQRT function	Engineering: Returns the square root of a complex number
IMSUB function	Engineering: Returns the difference between two complex numbers
IMSUM function	Engineering: Returns the sum of complex numbers
INDEX function	Lookup and reference: Uses an index to choose a value from a reference or array
INDIRECT function	Lookup and reference: Returns a reference indicated by a text value
INFO function	Information: Returns information about the current operating environment
INT function	Math and trigonometry: Rounds a number down to the nearest integer
INTERCEPT function	Statistical: Returns the intercept of the linear regression line
INTRATE function	Financial: Returns the interest rate for a fully invested security
IPMT function	Financial: Returns the interest payment for an investment for a given period
IRR function	Financial: Returns the internal rate of return for a series of cash flows
IS functions Provides comprehensive information about the individual functions shown in the list on the right.	<p>Information: For each of the following functions, returns TRUE based on the specified condition.</p> <p>ISBLANK Returns TRUE if the value is blank</p> <p>ISERR Returns TRUE if the value is any error value except #N/A</p> <p>ISERROR Returns TRUE if the value is any error value</p> <p>ISEVEN Returns TRUE if the number is even</p> <p>ISLOGICAL Returns TRUE if the value is a logical value</p> <p>ISNA Returns TRUE if the value is the #N/A error value</p> <p>ISNONTEXT Returns TRUE if the value is not text</p> <p>ISNUMBER Returns TRUE if the value is a number</p> <p>ISODD Returns TRUE if the number is odd</p> <p>ISREF Returns TRUE if the value is a reference</p> <p>ISTEXT Returns TRUE if the value is text</p>
ISPMT function	Financial: Calculates the interest paid during a specific period of an investment
JIS function	Text: Changes half-width (single-byte) English letters or katakana within a character string to full-width (double-byte) characters
KURT function	Statistical: Returns the kurtosis of a data set
LARGE function	Statistical: Returns the k-th largest value in a data set

LCM function	Math and trigonometry: Returns the least common multiple
LEFT, LEFTB functions	Text: Returns the leftmost characters from a text value
LEN, LENB functions	Text: Returns the number of characters in a text string
LINEST function	Statistical: Returns the parameters of a linear trend
LN function	Math and trigonometry: Returns the natural logarithm of a number
LOG function	Math and trigonometry: Returns the logarithm of a number to a specified base
LOG10 function	Math and trigonometry: Returns the base-10 logarithm of a number
LOGEST function	Statistical: Returns the parameters of an exponential trend
LOGINV function	Statistical: Returns the inverse of the lognormal distribution
LOGNORMDIST function	Statistical: Returns the cumulative lognormal distribution
LOOKUP function	Lookup and reference: Looks up values in a vector or array
LOWER function	Text: Converts text to lowercase
MATCH function	Lookup and reference: Looks up values in a reference or array
MAX function	Statistical: Returns the maximum value in a list of arguments
MAXA function	Statistical: Returns the maximum value in a list of arguments, including numbers, text, and logical values
MDETERM function	Math and trigonometry: Returns the matrix determinant of an array
MDURATION function	Financial: Returns the Macauley modified duration for a security with an assumed par value of \$100
MEDIAN function	Statistical: Returns the median of the given numbers
MID, MIDB functions	Text: Returns a specific number of characters from a text string starting at the position you specify
MIN function	Statistical: Returns the minimum value in a list of arguments
MINA function	Statistical: Returns the smallest value in a list of arguments, including numbers, text, and logical values
MINUTE function	Date and time: Converts a serial number to a minute
MINVERSE function	Math and trigonometry: Returns the matrix inverse of an array
MIRR function	Financial: Returns the internal rate of return where positive and negative cash flows are financed at different rates
MMULT function	Math and trigonometry: Returns the matrix product of two arrays
MOD function	Math and trigonometry: Returns the remainder from division
MODE function	Statistical: Returns the most common value in a data set
MONTH function	Date and time: Converts a serial number to a month
MROUND function	Math and trigonometry: Returns a number rounded to the desired multiple

MULTINOMIAL function	Math and trigonometry: Returns the multinomial of a set of numbers
N function	Information: Returns a value converted to a number
NA function	Information: Returns the error value #N/A
NEGBINOMDIST function	Statistical: Returns the negative binomial distribution
NETWORKDAYS function	Date and time: Returns the number of whole workdays between two dates
NOMINAL function	Financial: Returns the annual nominal interest rate
NORMDIST function	Statistical: Returns the normal cumulative distribution
NORMINV function	Statistical: Returns the inverse of the normal cumulative distribution
NORMSDIST function	Statistical: Returns the standard normal cumulative distribution
NORMSINV function	Statistical: Returns the inverse of the standard normal cumulative distribution
NOT function	Logical: Reverses the logic of its argument
NOW function	Date and time: Returns the serial number of the current date and time
NPER function	Financial: Returns the number of periods for an investment
NPV function	Financial: Returns the net present value of an investment based on a series of periodic cash flows and a discount rate
OCT2BIN function	Engineering: Converts an octal number to binary
OCT2DEC function	Engineering: Converts an octal number to decimal
OCT2HEX function	Engineering: Converts an octal number to hexadecimal
ODD function	Math and trigonometry: Rounds a number up to the nearest odd integer
ODDFPRICE function	Financial: Returns the price per \$100 face value of a security with an odd first period
ODDFYIELD function	Financial: Returns the yield of a security with an odd first period
ODDLPRICE function	Financial: Returns the price per \$100 face value of a security with an odd last period
ODDLYIELD function	Financial: Returns the yield of a security with an odd last period
OFFSET function	Lookup and reference: Returns a reference offset from a given reference
OR function	Logical: Returns TRUE if any argument is TRUE
PEARSON function	Statistical: Returns the Pearson product moment correlation coefficient
PERCENTILE function	Statistical: Returns the k-th percentile of values in a range
PERCENTRANK function	Statistical: Returns the percentage rank of a value in a data set
PERMUT function	Statistical: Returns the number of permutations for a given number of objects

PHONETIC function	Text: Extracts the phonetic (furigana) characters from a text string
PI function	Math and trigonometry: Returns the value of pi
PMT function	Financial: Returns the periodic payment for an annuity
POISSON function	Statistical: Returns the Poisson distribution
POWER function	Math and trigonometry: Returns the result of a number raised to a power
PPMT function	Financial: Returns the payment on the principal for an investment for a given period
PRICE function	Financial: Returns the price per \$100 face value of a security that pays periodic interest
PRICEDISC function	Financial: Returns the price per \$100 face value of a discounted security
PRICEMAT function	Financial: Returns the price per \$100 face value of a security that pays interest at maturity
PROB function	Statistical: Returns the probability that values in a range are between two limits
PRODUCT function	Math and trigonometry: Multiplies its arguments
PROPER function	Text: Capitalizes the first letter in each word of a text value
PV function	Financial: Returns the present value of an investment
QUARTILE function	Statistical: Returns the quartile of a data set
QUOTIENT function	Math and trigonometry: Returns the integer portion of a division
RADIANS function	Math and trigonometry: Converts degrees to radians
RAND function	Math and trigonometry: Returns a random number between 0 and 1
RANDBETWEEN function	Math and trigonometry: Returns a random number between the numbers you specify
RANK function	Statistical: Returns the rank of a number in a list of numbers
RATE function	Financial: Returns the interest rate per period of an annuity
RECEIVED function	Financial: Returns the amount received at maturity for a fully invested security
REGISTER.ID function	Add-in and Automation: Returns the register ID of the specified dynamic link library (DLL) or code resource that has been previously registered
REPLACE, REPLACEB functions	Text: Replaces characters within text
REPT function	Text: Repeats text a given number of times
RIGHT, RIGHTB functions	Text: Returns the rightmost characters from a text value
ROMAN function	Math and trigonometry: Converts an arabic numeral to roman, as text

ROUND function	Math and trigonometry: Rounds a number to a specified number of digits
ROUNDDOWN function	Math and trigonometry: Rounds a number down, toward zero
ROUNDUP function	Math and trigonometry: Rounds a number up, away from zero
ROW function	Lookup and reference: Returns the row number of a reference
ROWS function	Lookup and reference: Returns the number of rows in a reference
RSQ function	Statistical: Returns the square of the Pearson product moment correlation coefficient
RTD function	Lookup and reference: Retrieves real-time data from a program that supports COM automation
SEARCH, SEARCHB functions	Text: Finds one text value within another (not case-sensitive)
SECOND function	Date and time: Converts a serial number to a second
SERIESSUM function	Math and trigonometry: Returns the sum of a power series based on the formula
SIGN function	Math and trigonometry: Returns the sign of a number
SIN function	Math and trigonometry: Returns the sine of the given angle
SINH function	Math and trigonometry: Returns the hyperbolic sine of a number
SKEW function	Statistical: Returns the skewness of a distribution
SLN function	Financial: Returns the straight-line depreciation of an asset for one period
SLOPE function	Statistical: Returns the slope of the linear regression line
SMALL function	Statistical: Returns the k-th smallest value in a data set
SQL.REQUEST function	Add-in and Automation: Connects with an external data source and runs a query from a worksheet, then returns the result as an array without the need for macro programming
SQRT function	Math and trigonometry: Returns a positive square root
SQRTPI function	Math and trigonometry: Returns the square root of (number * pi)
STANDARDIZE function	Statistical: Returns a normalized value
STDEV function	Statistical: Estimates standard deviation based on a sample
STDEVA function	Statistical: Estimates standard deviation based on a sample, including numbers, text, and logical values
STDEVP function	Statistical: Calculates standard deviation based on the entire population
STDEVPA function	Statistical: Calculates standard deviation based on the entire population, including numbers, text, and logical values
STEYX function	Statistical: Returns the standard error of the predicted y-value for each x in the regression
SUBSTITUTE function	Text: Substitutes new text for old text in a text string

SUBTOTAL function	Math and trigonometry: Returns a subtotal in a list or database
SUM function	Math and trigonometry: Adds its arguments
SUMIF function	Math and trigonometry: Adds the cells specified by a given criteria
SUMIFS function	Math and trigonometry: Adds the cells in a range that meet multiple criteria
SUMPRODUCT function	Math and trigonometry: Returns the sum of the products of corresponding array components
SUMSQ function	Math and trigonometry: Returns the sum of the squares of the arguments
SUMX2MY2 function	Math and trigonometry: Returns the sum of the difference of squares of corresponding values in two arrays
SUMX2PY2 function	Math and trigonometry: Returns the sum of the sum of squares of corresponding values in two arrays
SUMXMY2 function	Math and trigonometry: Returns the sum of squares of differences of corresponding values in two arrays
SYD function	Financial: Returns the sum-of-years' digits depreciation of an asset for a specified period
T function	Text: Converts its arguments to text
TAN function	Math and trigonometry: Returns the tangent of a number
TANH function	Math and trigonometry: Returns the hyperbolic tangent of a number
TBILLEQ function	Financial: Returns the bond-equivalent yield for a Treasury bill
TBILLPRICE function	Financial: Returns the price per \$100 face value for a Treasury bill
TBILLYIELD function	Financial: Returns the yield for a Treasury bill
TDIST function	Statistical: Returns the Student's t-distribution
TEXT function	Text: Formats a number and converts it to text
TIME function	Date and time: Returns the serial number of a particular time
TIMEVALUE function	Date and time: Converts a time in the form of text to a serial number
TINV function	Statistical: Returns the inverse of the Student's t-distribution
TODAY function	Date and time: Returns the serial number of today's date
TRANSPOSE function	Lookup and reference: Returns the transpose of an array
TREND function	Statistical: Returns values along a linear trend
TRIM function	Text: Removes spaces from text
TRIMMEAN function	Statistical: Returns the mean of the interior of a data set
TRUE function	Logical: Returns the logical value TRUE
TRUNC function	Math and trigonometry: Truncates a number to an integer
TTEST function	Statistical: Returns the probability associated with a Student's t-test
TYPE function	Information: Returns a number indicating the data type of a value

UPPER function	Text: Converts text to uppercase
VALUE function	Text: Converts a text argument to a number
VAR function	Statistical: Estimates variance based on a sample
VARA function	Statistical: Estimates variance based on a sample, including numbers, text, and logical values
VARP function	Statistical: Calculates variance based on the entire population
VARPA function	Statistical: Calculates variance based on the entire population, including numbers, text, and logical values
VDB function	Financial: Returns the depreciation of an asset for a specified or partial period by using a declining balance method
VLOOKUP function	Lookup and reference: Looks in the first column of an array and moves across the row to return the value of a cell
WEEKDAY function	Date and time: Converts a serial number to a day of the week
WEEKNUM function	Date and time: Converts a serial number to a number representing where the week falls numerically with a year
WEIBULL function	Statistical: Calculates variance based on the entire population, including numbers, text, and logical values
WORKDAY function	Date and time: Returns the serial number of the date before or after a specified number of workdays
XIRR function	Financial: Returns the internal rate of return for a schedule of cash flows that is not necessarily periodic
XNPV function	Financial: Returns the net present value for a schedule of cash flows that is not necessarily periodic
YEAR function	Date and time: Converts a serial number to a year
YEARFRAC function	Date and time: Returns the year fraction representing the number of whole days between start_date and end_date
YIELD function	Financial: Returns the yield on a security that pays periodic interest
YIELDDISC function	Financial: Returns the annual yield for a discounted security; for example, a Treasury bill
YIELDMAT function	Financial: Returns the annual yield of a security that pays interest at maturity
ZTEST function	Statistical: Returns the one-tailed probability-value of a z-test