

### Formula to calculate area of square

### Formula to calculate area of rectangle

[illegible]



Formula LEFT to find characters from left side

C1				fx		=LEFT("raman",3)		
	A	B	C	D	E	F	G	H
1	C		2 ram					
2								

Formula to find length of string LEN function

Function Library								
D1				fx		=LEN("raman")		
	A	B	C	D	E	F	G	H
1	C		2 ram	5				
2								
3								
4								
5								
6								

Formula to convert string into lowercase LOWER function

Formula to find string within a string MID Function

F1				fx		=MID("raman",2,3)	
	A	B	C	D	E	F	G
1	C		2 ram	5 raman	ama		
2							
3							
4							

Formula to convert first letter of all words to Capital Letter in a string

G1		:	<input type="button" value="X"/>	<input type="button" value="✓"/>	<input type="button" value="fx"/>	=PROPER("computer is an electronic device")				
	A	B	C	D	E	F	G	H		
1	C		2 ram		5 raman	ama	Computer Is An Electronic Device			
2										
3										

REPLACE formula to replace text within a string with new text

A2		:	<input type="button" value="X"/>	<input type="button" value="✓"/>	<input type="button" value="fx"/>	=REPLACE("raman",2,3,"gam")				
	A	B	C	D	E	F	G	H		
1	C		2 ram		5 raman	ama	Computer Is An Electronic Device			
2	rgamn									
3										
4										
5										

Formula REPT to repeat a text for a number of times

B2		:	<input type="button" value="X"/>	<input type="button" value="✓"/>	<input type="button" value="fx"/>	=REPT("abc",3)				
	A	B	C	D	E	F	G	H		
1	C		2 ram		5 raman	ama	Computer Is An Electronic Device			
2	rgamn	abcbabcabc								
3										
4										
5										

RIGHT Formula to find number of alphabets from right side

C2		:	<input type="button" value="X"/>	<input type="button" value="✓"/>	<input type="button" value="fx"/>	=RIGHT("raman",3)				
	A	B	C	D	E	F	G	H		
1	C		2 ram		5 raman	ama	Computer Is An Electronic Device			
2	rgamn	abcbabcabc	man							
3										
4										

Formula SEARCH to find string within a string

	A	B	C	D	E	F	G
1	C		2 ram		5 raman	ama	Computer Is An Electronic Device
2	rgamn	abcabcabc	man		2		
3							
4							
5							
6							

Formula SUBSITUTE to replace text in a string with some other text

The screenshot shows an Excel spreadsheet with a formula bar and a data table. The formula bar displays the formula `=SUBSTITUTE("raman","a","b")`. The table has columns A through G. Row 1 contains 'C', '2 ram', '5 raman', 'ama', and 'Computer Is An Electronic Device'. Row 2 contains 'rgamn', 'abcabcabc', 'man', '2 rbmbn', and an empty cell. Row 3 and Row 4 are empty.

	A	B	C	D	E	F	G
1	C	2 ram	5 raman	ama	Computer Is An Electronic Device		
2	rgamn	abcabcabc	man	2 rbmbn			
3							
4							

### Formula TRIM to trim spaces from left and right side in a string

Function Library

Defined Names

F2

✕ ✓  $f_x$

=TRIM(" raman ")

	A	B	C	D	E	F	G	H
1	C	2 ram	5 raman	ama	Computer Is An Electronic Device			
2	rgamn	abcbabcabc	man	2 rbmbn	raman			
3								
4								
5								

### UPPER Formula to convert string to upper case

[illegible]

## Math Functions

Formula to find absolute value ABS

Function Library							
A1	:	X	✓	<i>f<sub>x</sub></i>	=ABS(-90)		
	A	B	C	D	E	F	G
1	90						
2							
3							
4							

CEILING.MATH Formula

B1	:	X	✓	<i>f<sub>x</sub></i>	=CEILING.MATH(89.987)		
	A	B	C	D	E	F	G
1	90	90					
2							
3							
4							

Formula EVEN to find next even number from a given number

C1	:	X	✓	<i>f<sub>x</sub></i>	=EVEN(99)		
	A	B	C	D	E	F	
1	90	90	100				
2							
3							

Formula FACT to calculate Factorial of a number

D1	:	X	✓	<i>f<sub>x</sub></i>	=FACT(5)		
	A	B	C	D	E	F	
1	90	90	100	120			
2							
3							

FLOOR.MATH Formula

E1		✕ ✓ <i>fx</i>		=FLOOR.MATH(89.987)						
	A	B	C	D	E	F	G	H	I	J
1	90	90	100	120	89					
2										
3										
4										

GCD Formula to calculate GCD of two numbers

F1		✕ ✓ <i>fx</i>		=GCD(10,5)						
	A	B	C	D	E	F	G			
1	90	90	100	120	89	5				
2										
3										

LCM Formula to calculate LCM of two numbers

G1		✕ ✓ <i>fx</i>		=LCM(10,5)						
	A	B	C	D	E	F	G	H		
1	90	90	100	120	89	5	10			
2										
3										

MOD Function calculate remainder of two numbers

H1		✕ ✓ <i>fx</i>		=MOD(9,2)						
	A	B	C	D	E	F	G	H		
1	90	90	100	120	89	5	10	1		
2										
3										
4										

Formula ODD to calculate next ODD Number from a given number

[illegible]

### Formula to get value of pi

[illegible]

## POWER Formula to get a raise to the power of b

[illegible]

### PRODUCT Formula to get product of two numbers

	A	B	C	D	E	F	G	H
1	90	90	100	120	89	5	10	
2	8	6						
3								
4								
5								

QUOTIENT Formula to get quotient of two numbers





ROUND Formula to round off a number to specific number of decimal places

Function Library									
G2 : <input type="button" value="X"/> <input type="button" value="✓"/> <input type="button" value="fx"/> =ROUND(23.456,2)									
	A	B	C	D	E	F	G	H	
1	90	90	100	120	89	5	10	1	
2	8	6	2	0.291879	10 IX		23.46		
3									
4									

SIGN Formula to get sign of a number sign of negative number is -1 sign of positive number is 1 and sign of 0 is 0

Function Library									
H2 : <input type="button" value="X"/> <input type="button" value="✓"/> <input type="button" value="fx"/> =SIGN(-90)									
	A	B	C	D	E	F	G	H	I
1	90	90	100	120	89	5	10	1	99
2	8	6	2	0.108756	17 IX		23.46	-1	
3									
4									

SQRT Formula to calculate square root of a number

Function Library									
I2 : <input type="button" value="X"/> <input type="button" value="✓"/> <input type="button" value="fx"/> =SQRT(64)									
	A	B	C	D	E	F	G	H	I
1	90	90	100	120	89	5	10	1	99
2	8	6	2	0.637997	19 IX		23.46	-1	8
3									
4									

SUM Formula to calculate sum of two numbers

Function Library					
A3 : <input type="button" value="X"/> <input type="button" value="✓"/> <input type="button" value="fx"/> =SUM(2,3)					
	A	B	C	D	E
1	90	90	100	120	89
2	8	6	2	0.422109	11 IX
3	5				
4					

TRUNC Formula to truncate a number to specific decimal places

Function Library							
B3	:	X	✓	<i>fx</i>	=TRUNC(345.567,2)		
	A	B	C	D	E	F	G
1	90	90	100	120	89	5	
2	8	6	2	0.237528	13	IX	2
3	5	345.56					
4							
5							
6							
7							

DATE/TIME Functions

DATE Formula to get a date from year month and day

Function Library							
A1	:	X	✓	<i>fx</i>	=DATE(2000,1,2)		
	A	B	C	D	E	F	G
1	02-01-2000						
2							
3							

DAY Formula to get day from date

Function Library						
B1	:	X	✓	<i>fx</i>	=DAY("2000-1-2")	
	A	B	C	D	E	F
1	02-01-2000	2				
2						
3						
4						

DAYS Formula to get number of days between two dates

Function Library							
C1	:	X	✓	<i>fx</i>	=DAYS("2012-2-3","2008-3-2")		
	A	B	C	D	E	F	G
1	02-01-2000	2	1433				
2							

HOUR Formula to get hour from time

D1	:	✕	✓	<i>f<sub>x</sub></i>	=HOUR("09:09:08")			
	A	B	C	D	E	F	G	H
1	02-01-2000	2	1433	9				
2								
3								
4								
5								

MINUTE Formula to get minute from time

Function Library								
E1	:	✕	✓	<i>f<sub>x</sub></i>	=MINUTE("09:19:35")			
	A	B	C	D	E	F	G	H
1	02-01-2000	2	1433	9	19			
2								
3								
4								

MONTH Formula to get month from date

F1	:	✕	✓	<i>f<sub>x</sub></i>	=MONTH("2000-1-2")			
	A	B	C	D	E	F		
1	02-01-2000	2	1433	9	19	1		
2								
3								
4								

NOW Function to get current date and current time on computer

Function Library								
G1	:	✕	✓	<i>f<sub>x</sub></i>	=NOW()			
	A	B	C	D	E	F	G	H
1	02-01-2000	2	1433	9	19	1	30-01-2019 19:56	
2								
3								

SECOND Formula to get second from time

A2		✕ ✓ f <sub>x</sub>		=SECOND("09:23:25")			
	A	B	C	D	E	F	G
1	02-01-2000	2	1433	9	19	1	30-01-2019 19:57
2	25						
3							
4							

TIME Formula to get time from hour minute and second

B2		✕ ✓ f <sub>x</sub>		=TIME(2,3,56)			
	A	B	C	D	E	F	G
1	02-01-2000	2	1433	9	19	1	30-01-2019 19:57
2	25	2:03 AM					

TODAY Formula to get today's date

C2		✕ ✓ f <sub>x</sub>		=TODAY()			
	A	B	C	D	E	F	G
1	02-01-2000	2	1433	9	19	1	30-01-2019 19:57
2	25	2:03 AM	30-01-2019				

WEEKDAY Formula to get weekday from date

D2		✕ ✓ f <sub>x</sub>		=WEEKDAY("2000-1-2")			
	A	B	C	D	E	F	
1	02-01-2000	2	1433	9	19	1	30
2	25	2:03 AM	30-01-2019	1			

YEAR Formula to get year from a date

Function Library

E2					=YEAR("2000-2-2")			
	A	B	C	D	E	F	G	H
1	02-01-2000	2	1433	9	19	1	30-01-2019 19:58	
2	25	2:03 AM	30-01-2019	1	2000			
3								
4								

Logical Functions

IF Formula

Function Library											
B1				✕		✓		fx		=IF(A1>20,"pass","fail")	
	A	B	C	D	E	F	G	H			
1	45	pass									
2											

OR Formula

C1		:	<div><div>✕</div><div>✓</div><div><i>f<sub>x</sub></i></div></div>	=OR(A1=40,A2=80)				
	A	B	C	D	E	F	G	H
1	45	pass	TRUE					
2	80							
3								
4								

NOT Formula

Function Library						
D1	:				=NOT(A1>40)	
	A	B	C	D	E	F
1	45	pass	TRUE	FALSE		
2	80					
3						