SQL Functions

Assume classScores = $\{80, 90, 95, 88, 81\}$
Assume str = "SQL Sure is fun"

Function	Meaning	Example	Result
Aggregate:			
AVG(x)	mean of the set of x	AVG(classScores)	86.8
COUNT(x)	number of occurances of x	COUNT(classScores)	5
MAX(x)	maximum value in $\{x\}$	MAX(classScores)	95
MIN(x)	minimum value in $\{x\}$	MIN(classScores)	81
SUM(x)	sum of $\{x\}$	SUM(classScores)	434
ROUND(x, y)	Round x to y digits	ROUND(3.14159, 3)	3.142
String:			
||	concatenation	"SQL" || " is fun"	SQL is fun
INSTR(s,sb)	position of sb within s	INSTR(str,"is")	10
LENGTH(s	number of characters in s	LENGTH(str)	15
UPPER(s)	display all upper-case letters	UPPER(str)	SQL SURE IS FUN
LOWER(s)	display all lower-case letters	LOWER(str)	sql sure is fun
LTRIM(s)	remove leading blanks	LTRIM(str)	SQL Sure is fun
LTRIM(s,sb)	remove leading substring sb	LTRIM(str,"S")	QL Sure is fun
RTRIM(s)	remove trailing blanks	RTRIM(str)	no change
RTRIM(s,sb)	remove trailing substring sb	RTRIM(str, "fun")	SQL Sure is
TRIM(s,sb)	as above, but from both ends	TRIM(str,"fun")	SQL Sure is
REPLACE(s,$sb1$,$sb2$)	replace $sb1$ with $sb2$ in s	REPLACE(str, "fun", "bad")	SQL Sure is bad
SUBSTR(s,pos,num)	extract num chars at pos in s	SUBSTR(str, 5, 4)	Sure