

Decode the Joke

Substitution into Expressions

Given that $a = 8$, $b = 3$, $c = -4$ and $d = 1.5$, find the value of each expression for each of the letters of the alphabet.

A	$a + b$	
B	$2a - b$	
C	$3b + 7$	
D	$a + b^2$	
E	$a^2 - d$	
F	$2b^2 - 3$	
G	$10d - b^2$	
H	$2ab$	
I	$ab - 4$	
J	$a + c$	
K	$b + c + d$	
L	$bc - 4$	
M	$a + c^2$	

N	$a^2 \div 2$	
O	$a - c$	
P	$3cd + 20$	
Q	$4c - 8$	
R	$5c^2 - 25$	
S	$5 + \sqrt{2a}$	
T	$\sqrt{b^2 + c^2}$	
U	$c - b$	
V	$2a \div c$	
W	$c + 3b^2$	
X	$c - 3d$	
Y	$c + \sqrt{4b - c}$	
Z	$b^2 - 4ac$	

Now decode the joke...

23	48	11	5		20	9		11		13	20	55	17

`	9		15	11	-4	12	-7	55	20	5	62.5		5
`													

0	2	62.5		12	15		24	11	5	48	9	?	
												?	

12	23	-16	-	6	62.5	13	55	11	!
			-						!