

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	$a + b$	11
B	$2a - b$	13
C	$3b + 7$	16
D	$a + b^2$	17
E	$a^2 - d$	62.5
F	$2b^2 - 3$	15
G	$10d - b^2$	6
H	$2ab$	48
I	$ab - 4$	20
J	$a + c$	4
K	$b + c + d$	0.5
L	$bc - 4$	-16
M	$a + c^2$	24

N	$a^2 \div 2$	32
O	$a - c$	12
P	$3cd + 20$	2
Q	$4c - 8$	-24
R	$5c^2 - 25$	55
S	$5 + \sqrt{2a}$	9
T	$\sqrt{b^2 + c^2}$	5
U	$c - b$	-7
V	$2a \div c$	-4
W	$c + 3b^2$	23
X	$c - 3d$	-8.5
Y	$c + \sqrt{4b - c}$	0
Z	$b^2 - 4ac$	137

Now decode the joke...

23	48	11	5		20	9		11		13	20	55	17
W	H	A	T		I	S		A		B	I	R	D

`	9		15	11	-4	12	-7	55	20	5	62.5		5
`	S		F	A	V	O	U	R	I	T	E		T

0	2	62.5		12	15		24	11	5	48	9	?	
Y	P	E		O	F		M	A	T	H	S	?	

12	23	-16	-	6	62.5	13	55	11	!
O	W	L	-	G	E	B	R	A	!