Evaluating Expressions Name: _____ E#: _____

Evaluate for :

a = 3 b = 5 c = 8 x = 10 y = 2 z = 1

Example	Evaluate:	a + b − y
	FIRST: Substitute in values assigned to the variables.	3 + 5 − 2
	THEN: Evaluate using order of operations **(PEMDAS)**	3 + 5 − 2 8 − 2 6 ← Final Answer

Try the following by plugging in what you know (use above variable values)

6 + 4x	2x + 3y + 4z	2y + 4abc
6 + 4 (_____)	2(____) + 3(____) + 4(____)	2(__) + 4(__)(__)(__)
6 + _____	_____ + _____ + _____	_____ + (__)(__)(__)
_____	_____ + _____	_____ + (____)(____)
	_____	_____ + _____
		_____

Evaluate: $\frac{6b + 3a + 1}{4}$

$$\frac{6(\_\_\_\_\_) + 3(\_\_\_\_\_) + 1}{4}$$

$$\frac{\_\_\_\_\_ + \_\_\_\_\_ + 1}{4}$$

$$\frac{\_\_\_\_\_}{4}$$

FINAL ANSWER: _____

Try some more, using these variable values

$a = 4$ $b = 5$ $c = 8$ $x = 10$ $y = 2$ $z = 1$

1) $ax + c$	2) $2b - a + c$	3) $3y + 4$
4) xyz	5) $4z + 3$	6) $4a - y$
7) $3b + z$	8) $8ab - c$	9) $\frac{ab + z}{2}$
10) $4a + xy$	11) $(x + y)$	12) $\frac{2x + 3y - 2}{c}$