

Name _____

Date _____

Mrs. Roubos

8R Period _____

Solving Algebraic Expressions

I. Expressions: A mathematical phrase that can contain _____, _____, and _____

(no = sign)

II. Steps:

- 1) Substitute the values into the correct variables _____.
- 2) Solve using _____.

III. Examples: Simplify

1) $a^2 - b$ if $a = 3$ and $b = -4$	2) $3x^2 + y$ if $x = 1$ and $y = -3$
3) $x^2 - 5x + 3$ when $x = 5$	4) $(x + 4)^2$ when $x = -11$
5) $s^2t - 10$ for $s = -2$ and $t = 10$	6) $4p^2 + 7c^3$ for $p = -3$ and $c = -2$
7) $3x^2y$ if $x = 2$ and $y = 3$	8) $5c + 10x$ if $c = 8$ and $x = 6$