

Name _____

Mrs. Roubos

Date _____

8R Period _____

Solving Equations with Like Terms on Opposite Sides of the Equal Sign

I. Goal: To get the like terms on the _____ of the equal sign and then to _____ the variable.

II Steps:

1) _____ the like terms on the _____ of the equal sign

(use the operation in _____ of the 2nd term)

2) _____ the _____ variable to the _____ variable across the equal sign

(using the inverse operation)

3) _____ the 2-step equation

4)

C

M

S

III. Examples: Solve for the missing variable.

1) $7y + 2 = 3y + 10$

2) $12 + 4x = 10x - 18$

3) $10x + 3x - 2 = x + 10$

4) $2x + 6 + x = 9x - 6$

5) $1 + n = 10 - 2n$

6) $-3x = x + 16$

7) $2x + 2 + 3x + 1 = 2x - 3x + 9$

*8) $2 + x + 3 + 1 + 2x = 2x + 10 + 3x - 7 + x$