

# Solving Multi-Step Equations

With Parentheses Multiplication - Negative Coefficients

Name: \_\_\_\_\_ Date: \_\_\_\_\_



Solve the equations.

(1)  $78 = 3(-5x - 4)$

(2)  $50 = -5(2x - 4)$

(3)  $-2(-2x + 3) = -14$

(4)  $-30 = -3(-3x + 4)$

(5)  $-42 = 3(2x - 4)$

(6)  $22 = 2(-5x - 4)$

(7)  $-54 = 2(5x + 3)$

(8)  $-52 = 4(-3x + 2)$

(9)  $-5(3x + 2) = 65$

(10)  $136 = 4(5x + 4)$

(11)  $-22 = -2(-4x + 3)$

(12)  $4(2x - 4) = 0$

(13)  $14 = -2(-2x - 3)$

(14)  $2(-4x + 2) = -20$

(15)  $-48 = -4(-5x + 2)$