

2-3 Multi-Step Equations Notes

A. Steps (Order of Operations - PEMDAS)

1. Distribute (Multiply)
2. Combine Like Terms (Add/Subtract)
3. Solve the 2-Step Equation

B. Examples: Solve.

1) $65 = -5v + 5(1 - v)$

2) $-2(3 - 6b) = 66$

3) $2(v - 6) - 3(v + 1) = -9$

4) $-47 = -(3 - 4m) - (-6m + 4)$

2-3 Multi-Step Equations

© 2015 Kuta Software LLC. All rights reserved.

Name _____

Hour _____

Solve each equation.

1) $-100 = 5(-4n + 4)$

2) $-2 + 4(6x - 1) = 114$

3) $3(-4p - 5) - 3p = 75$

4) $66 = 3(-5k + 2)$

5) $-65 = -5(1 + 3x)$

6) $-186 = 6(5a - 6)$

7) $19 = 4(1 + 5r) - 5(r - 6)$

8) $14 = -2(5m - 3) - 2(5 - 2m)$

9) $2(2x - 2) + 2(3x - 5) = -24$

10) $2(3 + x) - (-4x + 4) = 26$