

Distribute and Solve Day 2

Date _____ Period _____

Solve each equation.

1) $-416 = -8(4 + 6m)$

2) $-4(-5k - 8) = 112$

3) $88 = -4(3x - 2) + 8$

4) $7(5n - 6) = -322$

5) $6(1 + 8x) = 294$

6) $153 = 3(1 - 6k) + 6$

7) $5(-5v + 4) = -155$

8) $-190 = -2 + 4(-7 + 8x)$

$$9) -2(8x - 6) + 2x = 96$$

$$10) 103 = -x - 3(5x + 3)$$

Challenge (Try these if you are confident in the earlier problems):Solve each equation.

$$11) -12 - k + k = k - 5$$

$$12) -12 + m + 5 + 7 = 2m - 6 + 2$$

$$13) v + 4 = -1 - 4v$$

$$14) -11 + 1 - 8x - x = -8x + x$$

$$15) -39 - 6n = 3(-6n - 5)$$

$$16) 5(2x - 8) + 4 = -36 + 5x$$

Answers to Distribute and Solve Day 2

- 1) $\{8\}$
- 5) $\{6\}$
- 9) $\{-6\}$
- 13) $\{-1\}$

- 2) $\{4\}$
- 6) $\{-8\}$
- 10) $\{-7\}$
- 14) $\{-5\}$

- 3) $\{-6\}$
- 7) $\{7\}$
- 11) $\{-7\}$
- 15) $\{2\}$

- 4) $\{-8\}$
- 8) $\{-5\}$
- 12) $\{4\}$
- 16) $\{0\}$