Evaluating with Positives and Negatives 2

Name: _____ Period: _____

Simplify each of the following algebraic expressions in your "J" journal. Make sure you show all work! Then, evaluate the expressions using the given value for the variables.

1. $y^2 + 6y - 3y^2 - 2 - y + 8$ **y = -4**
2. $(5x^3 - x^2 + 4) - (1x^3 - 2x^2 + 7)$ **x = -1**
3. $-(x^2 - 4x) + (x^2 + 4x + 9)$ **x = 5**
4. $-(y - 18 + 2x + 2) + (-5x + 7 + x - 2y)$ **x = -2 y = 3**
5. $-(2x - 11x^2 + 3) - (x^2 + 4 - 3x)$ **x = -3**
6. $x - 2x^2 + 12 - 2x^2 + -5 - 4x$ **x = -4**
7. $(2x^2 + 3) - (x - 4) + (x^2 - 4x)$ **x = 5**
8. $-(1y^3 + y - 1) - (4y^3 + 3y + 3)$ **y = 2**
9. $(4c^2 - c + 4 + 3c) - (5 + c^2 - 5c)$ **c = -3**

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5. $-(2x - 11x^2 + 3) - (x^2 + 4 - 3x)$ **x = -3**
6. $x - 2x^2 + 12 - 2x^2 + -5 - 4x$ **x = -4**
7. $(2x^2 + 3) - (x - 4) + (x^2 - 4x)$ **x = 5**
8. $-(1y^3 + y - 1) - (4y^3 + 3y + 3)$ **y = 2**
9. $(4c^2 - c + 4 + 3c) - (5 + c^2 - 5c)$ **c = -3**