

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

**Add or Subtract each polynomial. Write answers in Standard Form.****Example:**  $(3x^2 - 2x + 4) - (x^2 - x - 2) = 2x^2 - x + 6$  (add/subtract "LIKE TERMS").

1.  $(-x^2 + 2x + 3) + (x^2 + 3x - 4)$  \_\_\_\_\_

2.  $(x^2 + 5x - 3) - (3x^2 - 4)$  \_\_\_\_\_

3.  $(-y^2 + 2x + 3) + (y^2 + 3x - 4)$  \_\_\_\_\_

4.  $(3ab^2 + 2a + 3) - (3a^2b - 4)$  \_\_\_\_\_

5.  $(g^4 + 4g) + (9g^4 + 7g)$  \_\_\_\_\_

6.  $(7y^3 - 3y^2 + 4y) + (8y^4 + 3y^2)$  \_\_\_\_\_

7. 
$$\begin{array}{r} 2b + 6 \\ - (3b - 5) \\ \hline \end{array}$$
 \_\_\_\_\_

8.  $(-5x^4 + x^2) - (x^3 + 8x^2 - x)$  \_\_\_\_\_

9.  $(11 + k^3 - 6k^4) + (k^2 - k^4)$  \_\_\_\_\_

10.  $(ab^2 + ba^3) + (4a^3b - ab^2 - 5ab)$  \_\_\_\_\_

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**Show Your Work!**