NC Math 1B Unit 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Date:

**Homework Lesson 2: Adding or Subtracting Polynomials**

**Simplify:**

1. $\left(7ab-4ab^{2}-6ab^{3}\right)+(4ab^{2}+6ab^{3}-7ab)$ 2. $\left(a^{3}-2a^{2}\right)-(3a^{2}+5a-4a^{3})$

3. $\left(-4k^{4}+14+3k^{2}\right)+(-3k^{4}-14k^{2}-8)$ 4. $ \left(3-6n^{5}-8n^{4}\right)-(-6n^{4}-3n-8n^{5})$

5. $\left(4d^{2}-6d-1\right)-\left(- d^{2}+7-6d\right)+\left(d^{2}+ d-3\right)$

6**. Find the perimeter** 7. **Find the perimeter**

$$a^{2}-8c$$

$$2c-a^{2}$$

$$10c+3a^{2}$$

$$12a^{2}$$

$$-8c^{4}w^{2}+8c^{3}w^{4}$$

$$-5c^{3}w^{4}+9c$$

$$-5c^{3}w^{4}-8c+8c^{2}w^{2}$$

**Identify as monomial, binomial, trinomial, or neither**

8. $x^{5}+2x+3+7x^{5}$ 9. $ \sqrt{9x}$ 10. $\frac{a}{7}$ 11. $ x^{2}m$

12. $-5x^{3}+2x^{3}-x^{3}$ 13. $\frac{4}{n}$ 14. $5x^{3}-10x^{4}$ 15. $12$

**Find the degree of each polynomial**

16. $5m$ 17. $x^{5}+2x+7x^{8}+ 4 $ 18. $9$

 Degree = \_\_\_\_\_\_\_\_\_\_ Degree = \_\_\_\_\_\_\_\_\_\_ Degree = \_\_\_\_\_\_\_\_