NCM1B Unit 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Date:

**Homework Lesson 4: Multiplying Binomials**

**Find the product.**

1. $(x-4)(x+2)$ 2. $(x+5)^{2}$

3. $(x-3)(6x-2)$ 4. $8a+5$

 $2a+1$

5. $5r-2$ 6. $(6x-7)(6x+7)$



7. $5x^{2}y(x^{3}y-2y^{2})$ 8. $3b^{4}c^{3}(bc^{2}+5b^{3}-2b^{2}c)$

**Find the sum and/or difference.**

9. (6p2 – 12p – 6) **–** ( – 3p + 7 + 9p2) 10. (m2 – 8m) **+** (6m – 2) **–** (m2 – 2m + 2)

**Identify each as a monomial, binomial, trinomial or neither.**

11. $ x-8 $ 12. $7y^{4}z$ 13. $4x^{2}+17x-3x^{2}$ 14. $5x^{6}+7x^{6}$

15. $ \sqrt{7x}$ 16. $\frac{5ab}{6}$ 17. $ \sqrt{7}$

**State the degree.**

18. 3p + 2p2 – 7 – 8p3  19. 2x + 7 20. 49

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