Math Secondary II Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6-1 Arithmetic operations with polynomials HOMEWORK Period\_\_\_\_\_\_\_\_\_\_

**Simplify each polynomial expression.**

1. (6x + 19) - (14x + 5)
2. (20x7 - 10x6 - 9x5 - 14x4 + 18x) + (-6x6 - 12x5 - 9x4 - 9x)
3. (17x2 + 7x - 14) - (-6x2 - 5x - 18) 5. 

6. -2x(11x3 - 10x2 + 4x + 6) 7. (9x + 9) (3x + 3)

8. (6x - 7) (20x - 9) 9. 

10. (7x + 3) (7x2 + 3x + 10)