**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block \_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Homework: Review Algebraic Expressions**

**Translate each sentence into an expression.**

1. The product of a number and three increased by 11.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Five times the difference of a number and 30.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Twice a number more than 7.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. Six times a number less than 15.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. The quotient of eight and a number decreased by 2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. The difference of twelve and one-fourth of a number.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Simplify. WRITE THE PROBLEM AND SHOW WORK ON YOUR PAPER!!!**

7. (9x3 – 4) + (3x3 – 6x2)

8. (-7x5 + 16 + 2x2) + (-4x2 – 15x5 – 9)

9. (7a + 5) – (11a + 12)

10. (10y – 4y4 + 9y3) – (-3y2 + y + 13y4)

11. -8x + 6(-3x – 11)

12. 5(4m + 7) + 6(6 + 8m)

13. -10m + 3(7 – 5m) + 8m

14. 3y – 6(11y – 7) + 4(5y + 1)

\*15. 9y(2y3 + 4) + 5(8y4 + 6y)

\*16. -2y(4y – 1) + 3y3 + 4y2

\*17. -5m + 7m(2m – 8)