**Academic Algebra 2**

**Review Exponents Test Chapter 5**

# 1. Simplify:

2. Simplify: 

# A. B. C. D.

3. Find the expression that is not equivalent to.

# A. B. C. D.

4. Simplify: 

**A.**  **B.** 

**C.**  **D.** 

5. Simplify: 

**A.**  **B.** 

**C.**  **D.** 

6. Simplify: 

**A.**  **B.** 

**C.**  **D.** 

7. Simplify:

8. Simplify: 

**A.**  **B.** 

**C.**  **D.** 

9. Simplify + (x – 8)²

Equations Review

Solve each:

10. 15 – 8x = 2(9x – 5)

11.

12. -2x + 3(x – 5) + = .8 + 3.2 – 9x

13. Simplify: 4x²(x² + 5x – 9)

14. Simplify:

15. If a box has dimensions of 7x – 8 and 2x + 5, what is the area of the box? (in terms of x)

16. If a rectangular box has dimensions of 9x – 11 and 6 + x, what is x if the perimeter of the box is 30.