

Algebra I Class Worksheet #5 Unit 10 _____

Perform the indicated operations. Express your answers in simplest form.

1. $3x^2(x^2 + 5x - 1) =$ _____ 2. $5x(2x^2 - 7x + 2) =$ _____

3. $2x(3x + 4) + 3(4x + 1) =$ _____

4. $5x(2x - 5) + 2(6x - 3) =$ _____

5. $x(7x - 2) - 5(8x + 1) =$ _____

6. $3x(8x + 1) - 2(9x - 5) =$ _____

7. $(x - 5)(x^2 + 5x + 25) =$ _____

8. $(3x - 5)(x^2 + 2x - 4) =$ _____

9. $(x^2 - 3x + 9)(x^2 + 3x + 9) =$ _____

10. $(x^2 + 7x - 3)(2x^2 + x + 6) =$ _____

11. $(2x + 1)^3 =$ _____

12. $(5x - 2)^3 =$ _____