

Algebra I Class Worksheet #4 Unit 10 _____

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

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

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

3. $(7x^2)(3x^2) =$ _____

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

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

6. $2x(3x + 1) =$ _____

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

8. $5x^2(3x^2 - 7x + 3) =$ _____

9. $-2x^2(5x^2 + 3x - 5) =$ _____

10. $x^3(x - 1) =$ _____

11. $(x + 5)(x - 3) =$ _____

12. $(x - 7)(x - 2) =$ _____

13. $(x - 9)(x + 4) =$ _____

14. $(x + 5)(x + 8) =$ _____

15. $(2x + 1)(x + 3) =$ _____

16. $(3x - 5)(5x - 3) =$ _____

17. $(8x + 1)(4x - 5) =$ _____

18. $(3x - 5)(2x + 7) =$ _____

19. $(2x + 3)(2x + 5) =$ _____

20. $(7x - 2)(x - 7) =$ _____

21. $(3x + 5)(2x - 8) =$ _____

22. $(4x + 1)(7x - 2) =$ _____

23. $(x + 6)^2 =$ _____

24. $(x - 5)^2 =$ _____

25. $(7x + 3)^2 =$ _____

26. $(4x - 5)^2 =$ _____

27. $(x + 5)(x - 5) =$ _____

28. $(x + 2)(x - 2) =$ _____

29. $(3x + 2)(3x - 2) =$ _____

30. $(7x + 3)(7x - 3) =$ _____