

Algebra I Worksheet #7 Unit 10

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

1. $(5x)(7x) =$ _____

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

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

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

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

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

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

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

9. $5x^2(x^2 - 2x + 1) =$ _____

10. $-2x(3x^2 + 2x - 5) =$ _____

11. $(x + 7)(x + 2) =$ _____

12. $(x + 5)(x + 9) =$ _____

13. $(x + 3)(x + 8) =$ _____

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

15. $(x - 7)(x - 8) =$ _____

16. $(x - 3)(x - 1) =$ _____

17. $(x + 7)(x - 2) =$ _____

18. $(x + 3)(x - 6) =$ _____

19. $(x - 8)(x + 1) =$ _____

20. $(x - 3)(x + 9) =$ _____

21. $(4x + 5)(x + 3) =$ _____

22. $(3x - 1)(5x - 3) =$ _____

23. $(6x - 1)(5x + 1) =$ _____

24. $(8x + 1)(x - 3) =$ _____

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

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

27. $(3x + 8)^2 =$ _____

28. $(9x - 2)^2 =$ _____

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

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

31. $(5x + 4)(5x - 4) =$ _____

32. $(6x + 1)(6x - 1) =$ _____