

Algebra I Worksheet #7 Unit 10 Selected Solutions

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

4. $(3x^3)(4x^4) = 12x^7$

8. $-3x^2(5x^2 + x - 2) = -15x^4 - 3x^3 + 6x^2$

12. $(x + 5)(x + 9) = x^2 + 14x + 45$

16. $(x - 3)(x - 1) = x^2 - 4x + 3$

20. $(x - 3)(x + 9) = x^2 + 6x - 27$

24. $(8x + 1)(x - 3) = 8x^2 - 23x - 3$

28. $(9x - 2)^2 = 81x^2 - 36x + 4$

32. $(6x + 1)(6x - 1) = 36x^2 - 1$