

Ready to Go On?



Personal
Math Trainer

Online Practice
and Help

14.1 Understanding Polynomials

Simplify each polynomial.

1. $a^2 + 12a - 7 - 3a^2 - 5a + 8$ _____

2. $7x^3y^2 + 3xy^2 + 6x - 9x^3y^2 + 2xy^2 + 5x - 1$ _____

14.2 Adding and Subtracting Polynomials

Add or subtract.

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

4. $(3a^2b - 6ab^2 + 2a) + (4ab^2 - 3b - 2a^2b)$

14.3 Multiplying Polynomials by Monomials

Multiply.

5. $4e(4e^2 + 5eg + 6e^2g^2)$

6. $-2u(4u^3 + 5u^2s^2 + 6s)$

14.4 Multiplying Polynomials

Multiply.

7. $(5c + 7)(5c - 7)$

8. $(6y^2 - 3y)^2$

9. $(9p^2 - 3q)(4p^3 - 5)$

10. $(4y - 3)(y^2 + 8y - 6)$



ESSENTIAL QUESTION

11. How are polynomials like other number systems such as whole numbers and integers?
