

Homework p. 349: 5-11 (odds), 17-21 (odds), 29, 39, 44

ADDING AND SUBTRACTING POLYNOMIALS Find the sum or difference.

5. $(4y^2 + 9y - 5) - (4y^2 - 5y + 3)$

7. $(3s^3 + s) + (4s^3 - 2s^2 + 7s + 10)$

9. $(5c^2 + 7c + 1) + (2c^3 - 6c + 8)$

11. $(5b - 6b^3 + 2b^4) - (9b^3 + 4b^4 - 7)$

MULTIPLYING POLYNOMIALS Find the product of the polynomials.

17. $5x^2(6x + 2)$

19. $(3z + 1)(z - 3)$

21. $(2a - 3)(a^2 - 10a - 2)$

MULTIPLYING THREE BINOMIALS Find the product of the binomials.

29. $(x + 1)(x - 7)(x + 3)$

SPECIAL PRODUCTS Find the product.

39. $(w - 9)^2$

44. $(7x - y)^3$