

SECTION 5.3

1. $2x^2 - 6x$ 3. $6x^4 - 3x^3$ 5. $6x^2y - 9xy^2$ 7. $x^{n+1} + x^n$ 9. $x^{2n} + x^ny^n$ 11. $-4b^2 + 10b$
13. $-6a^4 + 4a^3 - 6a^2$ 15. $9b^5 - 9b^3 + 24b$ 17. $-3y^4 - 4y^3 + 2y^2$ 19. $-20x^2 + 15x^3 - 15x^4 - 20x^5$
21. $-2x^4y + 6x^3y^2 - 4x^2y^3$ 23. $x^{3n} + x^{2n} + x^{n+1}$ 25. $a^{2n+1} - 3a^{n+2} + 2a^{n+1}$ 27. $5y^2 - 11y$ 29. $6y^2 - 31y$
31. $x^2 + 5x - 14$ 33. $8y^2 + 2y - 21$ 35. $8x^2 + 8xy - 30y^2$ 37. $x^2y^2 + xy - 12$ 39. $2x^4 - 15x^2 + 25$
41. $10x^4 - 15x^2y + 5y^2$ 43. $x^{2n} - x^n - 6$ 45. $6a^{2n} + a^n - 15$ 47. $6a^{2n} + a^nb^n - 2b^{2n}$
49. $x^4 + 5x^3 - 3x^2 - 11x + 20$ 51. $10a^3 - 27a^2b + 26ab^2 - 12b^3$ 53. $2y^5 - 10y^4 - y^3 - y^2 + 3$
55. $4x^5 - 16x^4 + 15x^3 - 4x^2 + 28x - 45$ 57. $x^4 - 3x^3 - 6x^2 + 29x - 21$ 59. $2a^3 + 7a^2 - 43a + 42$
61. $x^{3n} + 2x^{2n} + 2x^n + 1$ 63. $x^{2n} - 2x^{2n}y^n + 4x^ny^n - 2x^ny^{2n} + 3y^{2n}$ 65. $9x^2 - 4$ 67. $36 - x^2$ 69. $4a^2 - 9b^2$
71. $x^4 - 1$ 73. $x^{2n} - 9$ 75. $x^2 - 10x + 25$ 77. $9a^2 + 30ab + 25b^2$ 79. $x^4 - 6x^2 + 9$ 81. $4x^4 - 12x^2y^2 + 9y^4$
83. $a^{2n} - 2a^nb^n + b^{2n}$ 85. $-x^2 + 2xy$ 87. $-4xy$ 89. $(3x^2 + 10x - 8) \text{ ft}^2$ 91. $(x^2 + 3x) \text{ m}^2$
93. $(x^3 + 9x^2 + 27x + 27) \text{ cm}^3$ 95. $(2x^3) \text{ in}^3$ 97. $(78.5x^2 + 125.6x + 50.24) \text{ in}^2$ 99a. $a^3 - b^3$ b. $x^3 + y^3$
- 101a. $k = 5$ b. $k = 1$ 103. $a^2 + b^2$