

Answer Key

Challenge: Skills and Applications

- $8y^5 - 14y^3 - 15y$
- $-3a^7 + 21a^4 + 2a^3 - 14$
- $12c^8 + 4c^4d^2 - d^4$
- $6x^5 + 58x^3 + 80x$
- $5a^4 - 48a^2b^2 + 27b^4$
- $x^3 - 5x^2 - 2x + 24$
- $x^3 - x^2 + 16x + 5$
- $-2x^3 + 9x^2 + 14x - 36$
- $2x^4 - 9x^3 - 2x^2 - 15$
- $a = -6, b = -30$
- 5
- 3
- $(3x - 1), (2x - 1), (x - 1)$
- $6x^3 - 11x^2 + 6x - 1$
- 231 in.³