

Adding and Subtracting Polynomials

Standard Form of Polynomials

Ex. $3x^5 + 2x^3 - 8x^2 - 4x + 8$

Simplify. Write each answer in standard form.

① $m^2 - 8m^2$
 $-7m^2$

② $13b^4c + 8b^4c$
 $21b^4c$

③ $7n^5 - 12n^5$
 $-5n^5$

④ $(3x^2 - 2x + 8) + (2x^2 - 7x - 18)$
 $(3x^2 + 2x^2) + (-2x - 7x) + (8 - 18)$
 $5x^2 - 9x - 10$

⑤ $(-8a^2 - 6a + 12) - (3a^2 + 8a + 4)$
 $-8a^2 - 6a + 12 - 3a^2 - 8a - 4$
 $-11a^2 - 14a + 8$