

1 解答 (1) $4x^3 + x^2 + 7x + 6$ (2) $4a^3 - 6a^2 - 3a + 1$

2 解答 (1) $x^3 - x^2 + x$ (2) $10a^2 - 5ab + 5b^2$

3 解答 (1) $4x^2 - 23x + 14$ (2) $x^3 - x^2 - x + 1$

4 解答 (1) $A + B = 5x - y - 5z$, $A - B = x + 5y - 3z$
(2) $A + B = 5x^3 + 3x^2 - 2x - 1$, $A - B = -x^3 + 3x^2 - 6x + 3$

5 解答 (1) $5x^2 + 3x - 11$ (2) $3x^2 - 8x + 6$ (3) $4x^2 - 13x + 11$

6 解答 (1) $x - 2y + z$ (2) $x + 3y + 2z$

7 解答 (1) a^6 (2) $-12x^5$ (3) $15x^3y^4$ (4) a^8 (5) x^6 (6) $-64a^6b^6$
(7) x^7y^3 (8) $-54a^7b^5$ (9) $-3a^3b^5c^3$

8 解答 (1) $2x^4 - 6x^3 + 2x^2$ (2) $-8x^3 + 4x^2y - 12xy^2$ (3) $4a^2b^2 + 2ab^3 - 3b^4$
(4) $-4x^3y + 6x^2y^2 + 8xy^3$

9 解答 (1) $6x^3 - 4x^2 + 3x - 2$ (2) $2a^3 - 9a^2 + a + 12$ (3) $x^3 + x^2y - 4xy^2 - 4y^3$
(4) $x^4 - 5x^3y + 6x^2y^2 + xy^3 - y^4$

10 解答 (1) $x^2 - 8x + 16$ (2) $16a^2 + 24a + 9$ (3) $4x^2 - 20xy + 25y^2$
(4) $a^2 - 9$ (5) $25x^2 - 4$ (6) $9x^2 - 49y^2$

11 解答 (1) $3ab(2a + b)$ (2) $2x(x + y - 3)$ (3) $4a^2(x^2 - 3x + 9)$

12 解答 (1) $(a - 1)(x - 1)$ (2) $(x + 1)^2$ (3) $(x - y)(a + 2)$ (4) $(a - 3b)(2c - d)$

13 解答 (1) $(x + 3)^2$ (2) $(4x - 3)^2$ (3) $(a - 5b)^2$ (4) $(3x + 2y)^2$
(5) $(2x + 5y)(2x - 5y)$ (6) $(6xy + 7)(6xy - 7)$

14 解答 (1) $(x + 3)(x + 4)$ (2) $(x - 5)(x - 7)$ (3) $(y + 1)(y - 6)$
(4) $(a + 2)(a + 12)$ (5) $(x + 3y)(x + 5y)$ (6) $(x - y)(x - 8y)$
(7) $(a + 4b)(a - 5b)$ (8) $(x + 4a)(x - 9a)$ (9) $(x - 4a)(x + 12a)$