

- 1 解答 (1)  $3x^2 - 7x + 12$  (2)  $3a^2$  (3)  $-14x^2 + 12x + 8$
- 2 解答 (1)  $4a - 3$  (2)  $-6a + 4$  (3)  $5x^2 - 4x - 13$
- 3 解答 (1)  $x^2 - 6x - 12$  (2)  $8x^2 + 18$
- 4 解答 (1)  $2x + 11y - 10z$  (2)  $-3x + 8y - 2z$
- 5 解答 (1)  $16x^2 + 15x - 22$  (2)  $-9x^2 + 6x + 3$
- 6 解答 (1)  $a^7$  (2)  $12x^6$  (3)  $-15x^3y^6$  (4)  $a^{12}$  (5)  $a^6$   
(6)  $-64a^6b^6$  (7)  $4x^9$  (8)  $-54a^7b^5$  (9)  $-3a^3b^5c^3$
- 7 解答 (1)  $4x^3 - 6x^2y - 2xy^2$  (2)  $4a^2b^2 - 2ab^3 - 3b^4$   
(3)  $6x^3 + 15x^2 - 8x - 20$  (4)  $x^3 + x^2 - 5x + 3$   
(5)  $x^3 - 5x^2y + 5xy^2 + 3y^3$  (6)  $3a^2 - 8b^2 - 10c^2 + 2ab + 24bc - 13ca$
- 8 解答 (1)  $3x^2 + 7x + 2$  (2)  $8a^2 + 10a - 3$  (3)  $12x^2 + x - 6$   
(4)  $2x^2 + 11xy + 12y^2$  (5)  $6a^2 - 7ab + 2b^2$  (6)  $20x^2 + 11xy - 3y^2$   
(7)  $20x^2 - 32ax + 3a^2$  (8)  $24x^2 - 5ax - 36a^2$
- 9 解答 (1)  $4x^2 + 12x + 9$  (2)  $a^2 - 4a + 4$  (3)  $9x^2 - 12xy + 4y^2$   
(4)  $4a^2 - 20ab + 25b^2$  (5)  $x^2 - 25$  (6)  $x^4 + 2x^3 + x^2$   
(7)  $4a^2 - 25b^2$  (8)  $36x^2 - y^2$  (9)  $16x^2 - y^2$
- 10 解答 (1)  $x^2 - 9x + 20$  (2)  $x^2 + x - 6$  (3)  $a^2 - 11ab + 28b^2$   
(4)  $x^2 - xy - 12y^2$  (5)  $a^2b^2 - 3ab - 18$  (6)  $x^2 + 8ax + 7a^2$
- 11 解答 (1)  $2b(4a + b)$  (2)  $3xy(2x - 5y)$  (3)  $2x(2x + 3y - 1)$   
(4)  $abc(3ab^2 - 6bc^2 - 2a^2c)$
- 12 解答 (1)  $(x + a)(y - 1)$  (2)  $(a - 2)(b - c)$  (3)  $(a - 3b)(x + y)$   
(4)  $(a + 1)(x - y)$
- 13 解答 (1)  $(x + 3)^2$  (2)  $(x - 4)^2$  (3)  $(a - 2)^2$  (4)  $(x + 2y)^2$  (5)  $(3x + 2y)^2$   
(6)  $(a - 5b)^2$  (7)  $(4x - 3y)^2$  (8)  $(x + 9)(x - 9)$  (9)  $(3x + 4)(3x - 4)$   
(10)  $(2x + 5y)(2x - 5y)$  (11)  $(8a + b)(8a - b)$  (12)  $(6xy + 7)(6xy - 7)$
- 14 解答 (1)  $(x + 2)(x + 5)$  (2)  $(x - 2)(x + 8)$  (3)  $(x + 3)(x - 12)$   
(4)  $(a - 5)(a - 20)$  (5)  $(x + y)(x + 5y)$  (6)  $(x - 3a)(x - 8a)$   
(7)  $(x - 2y)(x + 6y)$  (8)  $(x + 4y)(x - 9y)$  (9)  $(x + 6a)(x - 8a)$   
(10)  $3(x - 3y)(x - 4y)$  (11)  $y(x + 4)(x - 14)$