解答

1. 式の展開（レベル1・かっこをはずす）1

(1) $30a + 12a^3$ (2) $2xy^2 + 2x$
(3) $-18a - 6a^4$ (4) $-40 - 10x^3$
(5) $-32x + 16x^3$ (6) $-14 - 8x^2$
(7) $12x^2y - 27y$ (8) $-16x - 4xy$
(9) $9a^2 - 21a$ (10) $-30 - 12x$
(11) $-8b - 4ab$ (12) $50 + 20a$
(13) $-20x - 12xy^2$ (14) $-25x + 25x^3$
(15) $18a - 3a^2$ (16) $-3a - 5a^2$
(17) $x^3 + 6x$ (18) $-40y + 12x^3y$
(19) $3y - 9xy$ (20) $8x + 6xy^3$
(21) $4xy^2 - 6x$ (22) $35a - 5ab^3$
(23) $-15ab^2 - 27a$ (24) $-9x^2 - 24x$
(25) $-8x^3 - 4x$ (26) $-12xy^2 - 20x$
(27) $-14 - 4x$ (28) $-6a^2 + 18$
(29) $6 - 2x^2$ (30) $-10a^4 - 50a$

2. 式の展開（レベル1・かっこをはずす）2

(1) $21y - 3x^3y$ (2) $-12ab^2 - 20a$
(3) $-5x + 15x^3$ (4) $-2a - 2ab^3$
(5) $4ab^2 + 2a$ (6) $25a^3b + 50b$
(7) $-2ab^2 - 18a$ (8) $-12a^2b - 27b$
(9) $12y + 6xy$ (10) $36x + 16x^2$
(11) $12 + 8x^3$ (12) $15x^4 - 25x$
(13) $-8x^3 - 16$ (14) $-4a^3 + 6$
(15) $-10a^3 + 50$ (16) $8 + 10a^2$
(17) $20a^2 + 50$ (18) $12ab^3 - 3a$
(19) $-20x^3 + 12$ (20) $-8 + 8a^2$
(21) $20a - 8a^4$ (22) $9x^2 - 21$
(23) $12x^2y - 32y$ (24) $-6a - 3a^2$
(25) $20xy^3 - 35x$ (26) $-16ab + 4b$
(27) $-12b - 6ab$ (28) $21 - 12x$
(29) $8ab - 8a$ (30) $4x^3 - 2x$

3. 式の展開（レベル1・かっこをはずす）3

(1) $6y - 5xy$ (2) $3xy^2 - 10x$
(3) $20a + 20$ (4) $-2 + 4x$
(5) $-5x^2y - 6y$ (6) $-x + 2xy^3$
(7) $25a^3 + 40$ (8) $-6a^3b - 10b$
(9) $-7x - 2x^3$ (10) $-6a^3b - 18b$
(11) $-12a^2 - 40$ (12) $-6b - 15a^2b$
(13) $16x + 12xy^2$ (14) $-12 + 8x^2$
(15) $12ab - 18b$ (16) $36y + 12xy$
(17) $2xy^2 - 3x$ (18) $4a^4 - 16a$
(19) $15a^3 + 45a$ (20) $20ab^2 - 40a$
(21) $6 - 4a$ (22) $25a - 10ab^3$
(23) $-8 - 6a^2$ (24) $9xy + 21x$
(25) $-2a^4 + 2a$ (26) $4a + 8a^3$
(27) $-5x + x^4$ (28) $16b - 4ab$
(29) $-9a + 9a^2$ (30) $-14 + 8a^2$

4. 式の展開（レベル1・かっこをはずす）4

(1) $-30a - 3ab^3$ (2) $3a^3b - 9b$
(3) $-40y - 10x^2y$ (4) $-36y - 16x^3y$
(5) $9a^2b + 3b$ (6) $-45a - 15ab$
(7) $-25y - 20x^2y$ (8) $30x + 10x^3$
(9) $-12 - 6x$ (10) $4y - 20xy$
(11) $-15x^2y - 30y$ (12) $15a - 9ab$
(13) $15xy^2 + 24x$ (14) $-8y + 8x^2y$
(15) $12x^3 + 18x$ (16) $-20xy^2 - 30x$
(17) $24 - 8a^2$ (18) $-14a + 8ab^2$
(19) $-9a - 15ab$ (20) $12b + 6ab$
(21) $10a - 8ab$ (22) $-4xy - 14x$
(23) $-25x + 15xy$ (24) $16x - 12xy^2$
(25) $-12a^2b + 6b$ (26) $16x + 8x^2$
(27) $6ab^2 + 8a$ (28) $-20 + 20x$
(29) $-10y - 10x^3y$ (30) $6xy^3 - 20x$

5. 式の展開（レベル1・かっこをはずす）5

(1) $-16x - 20$ (2) $2ab^3 - 4a$
(3) $25a^2 - 45a$ (4) $-2 - 5a^2$
(5) $9 - 12a^3$ (6) $-15xy - 3x$
(7) $-10a + 8$ (8) $12a - 2a^4$
(9) $3x^2y + 8y$ (10) $-6ab - 12a$
(11) $3ab^3 - 3a$ (12) $-12y + 6xy$
(13) $-6xy - 24y$ (14) $-36x - 20x^3$
(15) $-5 - 3a$ (16) $-10y - 4x^2y$
(17) $-6xy^3 - 18x$ (18) $12x^4 - 21x$
(19) $-21x + 6x^2$ (20) $32x - 16x^3$
(21) $-14a - 8ab^2$ (22) $30x - 12x^2$
(23) $18b - 4a^3b$ (24) $-9b + 12a^2b$
(25) $16x - 16xy^3$ (26) $-12x - 15x^4$
(27) $4a - 10ab^3$ (28) $28x + 12x^4$
(29) $20x - 2xy^3$ (30) $16y + 4x^3y$

6. 式の展開（レベル1・かっこをはずす）6

(1) $-6a - 10ab^2$ (2) $-40x - 4xy^2$
(3) $-30b + 6ab$ (4) $-2x^4 - 20x$
(5) $-2ab + 7a$ (6) $24y + 4x^2y$
(7) $21 - 15a^2$ (8) $14 - 8x$
(9) $10ab^2 + 12a$ (10) $-6a^3b - 14b$
(11) $6ab + 27b$ (12) $-20ab^2 - 10a$
(13) $6a^2 + 6$ (14) $24x - 8xy^2$
(15) $36 - 16a^3$ (16) $-25x - 5x^2$
(17) $-4x^2y + 4y$ (18) $-2x^4 - 4x$
(19) $ab - 4a$ (20) $-12a^3 - 24$
(21) $-8x^2 - 32$ (22) $-12ab + 30a$
(23) $18y + 15x^2y$ (24) $8 + 20x$
(25) $-15 + 3a$ (26) $-30x + 9x^3$
(27) $-20a - 25$ (28) $-36b - 12a^3b$
(29) $15x - 6x^2$ (30) $2b - 8a^3b$