

解答

1. 式の展開 (レベル2・和の積) 1

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|---------------------------|---------------------------|
| (1) $xy - 6x - 7y + 42$ | (2) $-xy + 5x - y + 5$ |
| (3) $ab - 8a + 2b - 16$ | (4) $-ab + 6a + 5b - 30$ |
| (5) $-ab + 6a + 7b - 42$ | (6) $xy + 2x - 3y - 6$ |
| (7) $-xy - 5x - 2y - 10$ | (8) $xy + x + 9y + 9$ |
| (9) $-xy - 2x - 3y - 6$ | (10) $ab - 4a - 3b + 12$ |
| (11) $ab - 5a - b + 5$ | (12) $-ab + 2a - 3b + 6$ |
| (13) $xy - 8x - 8y + 64$ | (14) $-xy + 2x - 8y + 16$ |
| (15) $-ab + 2a + 3b - 6$ | (16) $xy - x + 8y - 8$ |
| (17) $ab - 2a + 6b - 12$ | (18) $-xy + 6x - 9y + 54$ |
| (19) $-ab - 8a + 2b + 16$ | (20) $ab - 8a + b - 8$ |
| (21) $-xy + 2x + y - 2$ | (22) $-ab - 7a + b + 7$ |
| (23) $xy - 9x + 3y - 27$ | (24) $ab + 7a - 7b - 49$ |
| (25) $xy + 9x + y + 9$ | (26) $-ab + 7a - b + 7$ |
| (27) $-xy - 8x - 3y - 24$ | (28) $-xy + 6x - 6y + 36$ |
| (29) $-ab + a - 2b + 2$ | (30) $xy - 5x - y + 5$ |

3. 式の展開 (レベル2・和の積) 3

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|---------------------------|---------------------------|
| (1) $xy - x - 7y + 7$ | (2) $ab - 8a - 5b + 40$ |
| (3) $ab - 5a + 6b - 30$ | (4) $xy + 5x - 5y - 25$ |
| (5) $-xy - 7x + 3y + 21$ | (6) $-ab - 7a + 5b + 35$ |
| (7) $-ab - 3a - 8b - 24$ | (8) $-xy + 5x + y - 5$ |
| (9) $ab + a - b - 1$ | (10) $xy - 7x - 3y + 21$ |
| (11) $xy - 4x - 2y + 8$ | (12) $-xy - 6x - 6y - 36$ |
| (13) $ab + 8a - b - 8$ | (14) $-ab + 2a + 6b - 12$ |
| (15) $-xy - 9x - 7y - 63$ | (16) $-ab + a - 3b + 3$ |
| (17) $ab - 7a - 7b + 49$ | (18) $xy + 9x - 7y - 63$ |
| (19) $xy - 7x + 4y - 28$ | (20) $ab + a - 9b - 9$ |
| (21) $-ab - 4a - b - 4$ | (22) $-xy - 2x + 9y + 18$ |
| (23) $-xy - 5x + 9y + 45$ | (24) $-ab - 7a - 9b - 63$ |
| (25) $ab + 2a - 7b - 14$ | (26) $xy + 2x + 7y + 14$ |
| (27) $ab - 6a - 6b + 36$ | (28) $xy - 3x - 6y + 18$ |
| (29) $-ab + 3a - 2b + 6$ | (30) $-xy - 3x + 2y + 6$ |

5. 式の展開 (レベル2・和の積) 5

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|---------------------------|---------------------------|
| (1) $ab - a + 8b - 8$ | (2) $xy + 2x - 6y - 12$ |
| (3) $-ab + 4a - 4b + 16$ | (4) $ab - 3a + b - 3$ |
| (5) $xy - 9x - 5y + 45$ | (6) $-xy + 7x - 7y + 49$ |
| (7) $-xy - 4x + 4y + 16$ | (8) $-ab + a + 9b - 9$ |
| (9) $ab - 7a - 8b + 56$ | (10) $-ab - 4a + b + 4$ |
| (11) $xy - 3x - 5y + 15$ | (12) $ab + 2a + 4b + 8$ |
| (13) $-xy - 5x - 5y - 25$ | (14) $xy + 7x + 6y + 42$ |
| (15) $-ab - 5a - 8b - 40$ | (16) $ab - 7a + 2b - 14$ |
| (17) $-xy - 2x - 4y - 8$ | (18) $xy + 2x + y + 2$ |
| (19) $-ab + a + 8b - 8$ | (20) $-xy + x + 2y - 2$ |
| (21) $xy + 3x + 7y + 21$ | (22) $ab + 8a - 3b - 24$ |
| (23) $-ab + 7a - 4b + 28$ | (24) $ab + 2a + 2b + 4$ |
| (25) $xy - 5x - 8y + 40$ | (26) $-xy + 7x - 8y + 56$ |
| (27) $-ab + 4a + 6b - 24$ | (28) $xy + 2x - 6y - 12$ |
| (29) $-xy - 6x - y - 6$ | (30) $-ab - a - 3b - 3$ |

2. 式の展開 (レベル2・和の積) 2

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|---------------------------|---------------------------|
| (1) $ab + 2a - 5b - 10$ | (2) $xy - 4x + 9y - 36$ |
| (3) $-ab - a + b + 1$ | (4) $ab - a + 2b - 2$ |
| (5) $-xy - x - 3y - 3$ | (6) $-ab + 5a - 9b + 45$ |
| (7) $-xy + 5x - 6y + 30$ | (8) $xy + 9x + 3y + 27$ |
| (9) $xy - 4x + 2y - 8$ | (10) $ab + 2a + 5b + 10$ |
| (11) $ab + 5a + 3b + 15$ | (12) $-ab - 3a - 4b - 12$ |
| (13) $-xy + 6x + 9y - 54$ | (14) $-ab - 2a - 9b - 18$ |
| (15) $xy - 8x - 5y + 40$ | (16) $xy - x + 7y - 7$ |
| (17) $ab + 9a + 6b + 54$ | (18) $ab + 9a - 2b - 18$ |
| (19) $-ab + 2a + 6b - 12$ | (20) $-xy - 5x - 9y - 45$ |
| (21) $-xy + 9x - 4y + 36$ | (22) $-ab + 7a + 7b - 49$ |
| (23) $xy + x - 5y - 5$ | (24) $xy - 8x + 4y - 32$ |
| (25) $ab - 9a + b - 9$ | (26) $ab + 2a + 9b + 18$ |
| (27) $-xy + 2x + 3y - 6$ | (28) $-ab - 2a + 5b + 10$ |
| (29) $-ab + 6a - 7b + 42$ | (30) $-xy + 7x + 3y - 21$ |

4. 式の展開 (レベル2・和の積) 4

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|---------------------------|---------------------------|
| (1) $-xy - 8x + 9y + 72$ | (2) $ab - 5a - 3b + 15$ |
| (3) $xy - 3x - 5y + 15$ | (4) $ab + 9a + 9b + 81$ |
| (5) $xy + 5x + y + 5$ | (6) $-ab + 8a + 6b - 48$ |
| (7) $-ab - 8a + b + 8$ | (8) $-xy - 5x + 4y + 20$ |
| (9) $ab + 8a + 4b + 32$ | (10) $xy + 7x - 3y - 21$ |
| (11) $-xy + 6x - 5y + 30$ | (12) $ab + 4a + 6b + 24$ |
| (13) $xy + 4x - 4y - 16$ | (14) $-ab - 2a - 9b - 18$ |
| (15) $-ab - 4a + 4b + 16$ | (16) $-xy + 5x - 7y + 35$ |
| (17) $xy + 4x - y - 4$ | (18) $-xy - 7x - 3y - 21$ |
| (19) $ab - 6a - 5b + 30$ | (20) $ab + 7a - 2b - 14$ |
| (21) $xy - 8x + y - 8$ | (22) $-ab - 4a + b + 4$ |
| (23) $-xy + 5x - 3y + 15$ | (24) $xy - 4x - y + 4$ |
| (25) $-ab - 3a - 6b - 18$ | (26) $ab + 7a + 6b + 42$ |
| (27) $-xy - 3x - y - 3$ | (28) $xy + 6x + 7y + 42$ |
| (29) $-ab + 4a - 4b + 16$ | (30) $-xy + 4x + 5y - 20$ |

6. 式の展開 (レベル2・和の積) 6

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|---------------------------|---------------------------|
| (1) $ab - 8a + 4b - 32$ | (2) $xy - 5x + 7y - 35$ |
| (3) $-xy - 6x + 3y + 18$ | (4) $-ab + 3a - 9b + 27$ |
| (5) $xy - 3x - 9y + 27$ | (6) $ab - 4a + 7b - 28$ |
| (7) $-ab + a + b - 1$ | (8) $ab - 6a - 2b + 12$ |
| (9) $xy + 9x - 4y - 36$ | (10) $-xy - 8x + 6y + 48$ |
| (11) $-xy + 5x - y + 5$ | (12) $xy - 6x - 8y + 48$ |
| (13) $-ab + 8a - 7b + 56$ | (14) $-ab - 2a - 5b - 10$ |
| (15) $ab - 2a + b - 2$ | (16) $xy + 7x + 6y + 42$ |
| (17) $-xy + x - 9y + 9$ | (18) $ab + 2a - 9b - 18$ |
| (19) $xy + 6x + 8y + 48$ | (20) $-ab + 3a + 2b - 6$ |
| (21) $-ab - 2a + 2b + 4$ | (22) $-xy + 7x - 4y + 28$ |
| (23) $xy - 3x - 8y + 24$ | (24) $-xy - 9x - 3y - 27$ |
| (25) $ab + 2a - 2b - 4$ | (26) $xy + 3x + 7y + 21$ |
| (27) $-ab - a + 8b + 8$ | (28) $ab + 6a + 6b + 36$ |
| (29) $-xy + 4x + 9y - 36$ | (30) $-ab + 4a - b + 4$ |