

解答

1. 因数分解 (レベル4・ $(ax \pm b)^2$ の形にする) 1

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|------------------|------------------|
| (1) $4(2x-3)^2$ | (2) $4(x+5)^2$ |
| (3) $9(a+3)^2$ | (4) $25(x+1)^2$ |
| (5) $16(a-1)^2$ | (6) $4(3a+2)^2$ |
| (7) $4(a+3)^2$ | (8) $25(a+1)^2$ |
| (9) $4(a-4)^2$ | (10) $4(3x-2)^2$ |
| (11) $4(a-5)^2$ | (12) $9(x+2)^2$ |
| (13) $4(2a+5)^2$ | (14) $(3a-1)^2$ |
| (15) $16(a+1)^2$ | (16) $(3a-5)^2$ |

3. 因数分解 (レベル4・たすきがけ易) 1

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|--------------------|--------------------|
| (1) $(3a+4)(a-3)$ | (2) $(5a-4)(a+1)$ |
| (3) $(2a-5)(a+1)$ | (4) $(3x-4)(x+4)$ |
| (5) $(5x+3)(x+4)$ | (6) $(5x+2)(x+4)$ |
| (7) $(5a+4)(a-4)$ | (8) $(4x+1)(x+5)$ |
| (9) $(5a+3)(a-4)$ | (10) $(2a+1)(a+2)$ |
| (11) $(2a+1)(a+3)$ | (12) $(4x+3)(x+4)$ |
| (13) $(4a-5)(a-2)$ | (14) $(4x+3)(x+5)$ |
| (15) $(3a+5)(a+1)$ | (16) $(5a-1)(a+3)$ |

5. 因数分解 (レベル4・まとめ) 1

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|--------------------|--------------------|
| (1) $16(a-2)^2$ | (2) $(5a-4)^2$ |
| (3) $36(x+1)^2$ | (4) $(3a-1)^2$ |
| (5) $(3a+4)^2$ | (6) $(2a+3)^2$ |
| (7) $16(a+2)^2$ | (8) $(5a+3)(a-3)$ |
| (9) $(4x-1)(x-1)$ | (10) $(4x-3)(x-3)$ |
| (11) $(4a-3)(a-5)$ | (12) $(3a+2)(a-5)$ |
| (13) $(4a+1)(a+4)$ | (14) $(3x-4)(x-2)$ |
| (15) $4(2a-3)^2$ | (16) $(5a-2)(a+5)$ |

7. 因数分解 (レベル4・まとめ) 3

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|--------------------|--------------------|
| (1) $(5x+2)(x-4)$ | (2) $(3a-1)(a-2)$ |
| (3) $4(3a-5)^2$ | (4) $(4x-1)(x-2)$ |
| (5) $36(a-1)^2$ | (6) $(3a-8)^2$ |
| (7) $(5x+1)(x+4)$ | (8) $(5a-3)^2$ |
| (9) $(4x+1)(x-1)$ | (10) $25(x-2)^2$ |
| (11) $4(2x+5)^2$ | (12) $(2x+1)(x+4)$ |
| (13) $4(a-2)^2$ | (14) $4(x+3)^2$ |
| (15) $(2a+1)(a+5)$ | (16) $(5x-2)(x+3)$ |

2. 因数分解 (レベル4・ $(ax \pm b)^2$ の形にする) 2

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|------------------|------------------|
| (1) $(4x+7)^2$ | (2) $(3a-10)^2$ |
| (3) $4(x+5)^2$ | (4) $4(2a-3)^2$ |
| (5) $(5x+7)^2$ | (6) $9(2a-3)^2$ |
| (7) $(5a+9)^2$ | (8) $(6x-7)^2$ |
| (9) $4(3a+1)^2$ | (10) $9(2x-3)^2$ |
| (11) $4(2x-1)^2$ | (12) $25(a+2)^2$ |
| (13) $(2x+9)^2$ | (14) $(6a+1)^2$ |
| (15) $(3a-1)^2$ | (16) $36(a-1)^2$ |

4. 因数分解 (レベル4・たすきがけ易) 2

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|--------------------|--------------------|
| (1) $(4a+5)(a-2)$ | (2) $(2a+3)(a-2)$ |
| (3) $(3x+4)(x+1)$ | (4) $(3a+4)(a+4)$ |
| (5) $(5a-1)(a+4)$ | (6) $(5x-1)(x+5)$ |
| (7) $(4x+5)(x+1)$ | (8) $(4a-3)(a+2)$ |
| (9) $(5a+1)(a-3)$ | (10) $(3x+2)(x+2)$ |
| (11) $(2a+1)(a+4)$ | (12) $(4a+5)(a+4)$ |
| (13) $(5x+3)(x-1)$ | (14) $(5a-1)(a+5)$ |
| (15) $(2a+3)(a-1)$ | (16) $(5x+1)(x+1)$ |

6. 因数分解 (レベル4・まとめ) 2

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|--------------------|--------------------|
| (1) $(5a-7)^2$ | (2) $(5a+6)^2$ |
| (3) $(2x-1)(x+3)$ | (4) $(3a+5)^2$ |
| (5) $(3a+4)(a-4)$ | (6) $(4x+1)(x+2)$ |
| (7) $(3a+1)(a-4)$ | (8) $(5x+4)(x-5)$ |
| (9) $(2x-3)(x-3)$ | (10) $(6a-5)^2$ |
| (11) $(5a-3)(a+1)$ | (12) $(4a-5)(a+2)$ |
| (13) $(4a+1)(a-5)$ | (14) $(3a+5)(a+1)$ |
| (15) $(2a-1)(a-2)$ | (16) $4(3a+2)^2$ |

8. 因数分解 (レベル4・まとめ) 4

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|--------------------|--------------------|
| (1) $(6x-7)^2$ | (2) $25(a-1)^2$ |
| (3) $(4a+1)(a+1)$ | (4) $(4a-5)(a-4)$ |
| (5) $(3x-4)(x+1)$ | (6) $(2x+3)^2$ |
| (7) $(4x-3)(x-3)$ | (8) $(4x+1)(x-3)$ |
| (9) $(3a+1)^2$ | (10) $(2a+5)(a+2)$ |
| (11) $(3a+2)(a-3)$ | (12) $(4x+5)(x+1)$ |
| (13) $(3x+1)(x+2)$ | (14) $(6a-7)^2$ |
| (15) $4(3x-4)^2$ | (16) $(3a+2)(a-4)$ |