

展開の特訓 100  $(ax+by)(ax-by)$ ①〔解答〕

- |                        |                       |
|------------------------|-----------------------|
| ( 1 ) $81a^2 - 196b^2$ | ( 2 ) $49x^2 - 9y^2$  |
| ( 3 ) $49a^2 - 81b^2$  | ( 4 ) $a^2 - 16b^2$   |
| ( 5 ) $36x^2 - 49y^2$  | ( 6 ) $81x^2 - 4y^2$  |
| ( 7 ) $81x^2 - 225y^2$ | ( 8 ) $16a^2 - b^2$   |
| ( 9 ) $64a^2 - b^2$    | (10) $49a^2 - 81b^2$  |
| (11) $16x^2 - 144y^2$  | (12) $a^2 - 36b^2$    |
| (13) $4x^2 - 25y^2$    | (14) $64x^2 - 144y^2$ |
| (15) $64a^2 - 169b^2$  | (16) $16a^2 - 144b^2$ |
| (17) $a^2 - 49b^2$     | (18) $49x^2 - 196y^2$ |
| (19) $49x^2 - 25y^2$   | (20) $25a^2 - 36b^2$  |

展開の特訓 100  $(ax+by)(ax-by)$ ②〔解答〕

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|------------------------|-----------------------|
| ( 1 ) $9a^2 - 121b^2$  | ( 2 ) $49x^2 - y^2$   |
| ( 3 ) $81a^2 - b^2$    | ( 4 ) $49x^2 - 81y^2$ |
| ( 5 ) $9a^2 - 4b^2$    | ( 6 ) $9x^2 - 64y^2$  |
| ( 7 ) $36a^2 - 100b^2$ | ( 8 ) $25x^2 - 16y^2$ |
| ( 9 ) $9x^2 - 81y^2$   | (10) $x^2 - 144y^2$   |
| (11) $36x^2 - y^2$     | (12) $64x^2 - 9y^2$   |
| (13) $4a^2 - 121b^2$   | (14) $x^2 - 144y^2$   |
| (15) $16x^2 - 144y^2$  | (16) $36x^2 - 144y^2$ |
| (17) $a^2 - 49b^2$     | (18) $9a^2 - b^2$     |
| (19) $36x^2 - 4y^2$    | (20) $16a^2 - 25b^2$  |

展開の特訓 100  $(ax+by)(ax-by)$ ③〔解答〕

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|------------------------|----------------------|
| ( 1 ) $x^2 - 9y^2$     | ( 2 ) $9a^2 - 81b^2$ |
| ( 3 ) $49x^2 - 100y^2$ | ( 4 ) $a^2 - 169b^2$ |
| ( 5 ) $a^2 - 196b^2$   | ( 6 ) $9x^2 - 36y^2$ |
| ( 7 ) $81a^2 - 121b^2$ | ( 8 ) $36a^2 - 9b^2$ |

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|------------------------|-----------------------|
| ( 9 ) $49a^2 - 169b^2$ | (10) $36a^2 - 4b^2$   |
| (11) $4a^2 - b^2$      | (12) $64a^2 - 4b^2$   |
| (13) $16x^2 - 9y^2$    | (14) $49a^2 - 121b^2$ |
| (15) $4a^2 - 81b^2$    | (16) $4a^2 - 100b^2$  |
| (17) $36x^2 - 196y^2$  | (18) $25a^2 - 144b^2$ |
| (19) $16x^2 - 121y^2$  | (20) $9a^2 - 4b^2$    |

展開の特訓 100  $(ax+by)(ax-by)$ ④〔解答〕

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|------------------------|------------------------|
| ( 1 ) $36x^2 - 225y^2$ | ( 2 ) $16x^2 - 4y^2$   |
| ( 3 ) $81a^2 - 64b^2$  | ( 4 ) $64a^2 - 36b^2$  |
| ( 5 ) $49x^2 - 121y^2$ | ( 6 ) $16a^2 - b^2$    |
| ( 7 ) $16a^2 - b^2$    | ( 8 ) $36a^2 - 225b^2$ |
| ( 9 ) $16x^2 - 49y^2$  | (10) $36x^2 - 4y^2$    |
| (11) $a^2 - 100b^2$    | (12) $36x^2 - 16y^2$   |
| (13) $9x^2 - 64y^2$    | (14) $49x^2 - 16y^2$   |
| (15) $49x^2 - 121y^2$  | (16) $9a^2 - 100b^2$   |
| (17) $x^2 - 225y^2$    | (18) $a^2 - 225b^2$    |
| (19) $9a^2 - 121b^2$   | (20) $4a^2 - 49b^2$    |

展開の特訓 100  $(ax+by)(ax-by)$ ⑤〔解答〕

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|------------------------|------------------------|
| ( 1 ) $25x^2 - 121y^2$ | ( 2 ) $49a^2 - 100b^2$ |
| ( 3 ) $36a^2 - 9b^2$   | ( 4 ) $x^2 - 144y^2$   |
| ( 5 ) $49a^2 - 36b^2$  | ( 6 ) $16a^2 - 9b^2$   |
| ( 7 ) $64x^2 - 144y^2$ | ( 8 ) $36a^2 - 25b^2$  |
| ( 9 ) $36a^2 - 9b^2$   | (10) $x^2 - 4y^2$      |
| (11) $x^2 - 100y^2$    | (12) $9a^2 - 4b^2$     |
| (13) $81x^2 - 225y^2$  | (14) $x^2 - 169y^2$    |
| (15) $9x^2 - 169y^2$   | (16) $16a^2 - 36b^2$   |
| (17) $49a^2 - 25b^2$   | (18) $4x^2 - 16y^2$    |

(19)  $x^2 - 81y^2$

(20)  $x^2 - 4y^2$