

展開の特訓 100 $(ax+by)^2, (ax-by)^2$ ① (解答)

- (1) $9a^2 - 24ab + 16b^2$ (2) $25a^2 - 20ab + 4b^2$
 (3) $4x^2 - 36xy + 81y^2$ (4) $36a^2 - 60ab + 25b^2$
 (5) $16a^2 - 40ab + 25b^2$ (6) $16x^2 - 48xy + 36y^2$
 (7) $16a^2 - 56ab + 49b^2$ (8) $25a^2 - 40ab + 16b^2$
 (9) $25a^2 - 40ab + 16b^2$ (10) $25a^2 - 10ab + b^2$
 (11) $36a^2 - 84ab + 49b^2$ (12) $9x^2 + 54xy + 81y^2$
 (13) $9x^2 + 30xy + 25y^2$ (14) $64x^2 - 112xy + 49y^2$
 (15) $9x^2 + 42xy + 49y^2$ (16) $4x^2 + 20xy + 25y^2$
 (17) $36x^2 - 24xy + 4y^2$ (18) $49a^2 + 56ab + 16b^2$
 (19) $a^2 + 8ab + 16b^2$ (20) $16x^2 - 24xy + 9y^2$

展開の特訓 100 $(ax+by)^2, (ax-by)^2$ ② (解答)

- (1) $x^2 + 12xy + 36y^2$ (2) $4x^2 + 36xy + 81y^2$
 (3) $49x^2 + 42xy + 9y^2$ (4) $64a^2 - 96ab + 36b^2$
 (5) $64x^2 - 144xy + 81y^2$ (6) $64a^2 + 112ab + 49b^2$
 (7) $4a^2 + 36ab + 81b^2$ (8) $36a^2 - 60ab + 25b^2$
 (9) $81x^2 - 144xy + 64y^2$ (10) $9a^2 + 54ab + 81b^2$
 (11) $81a^2 - 126ab + 49b^2$ (12) $64a^2 + 16ab + b^2$
 (13) $64a^2 - 32ab + 4b^2$ (14) $4a^2 + 28ab + 49b^2$
 (15) $16x^2 + 48xy + 36y^2$ (16) $64a^2 + 144ab + 81b^2$
 (17) $25a^2 + 10ab + b^2$ (18) $49x^2 + 14xy + y^2$
 (19) $a^2 - 4ab + 4b^2$ (20) $36a^2 - 12ab + b^2$

展開の特訓 100 $(ax+by)^2, (ax-by)^2$ ③ (解答)

- (1) $81a^2 - 144ab + 64b^2$ (2) $36a^2 + 24ab + 4b^2$
 (3) $x^2 - 16xy + 64y^2$ (4) $36a^2 - 48ab + 16b^2$
 (5) $4x^2 - 28xy + 49y^2$ (6) $4a^2 + 36ab + 81b^2$
 (7) $25a^2 + 10ab + b^2$ (8) $4x^2 - 24xy + 36y^2$
 (9) $16a^2 - 16ab + 4b^2$ (10) $16a^2 + 64ab + 64b^2$
 (11) $16x^2 - 40xy + 25y^2$ (12) $81x^2 - 108xy + 36y^2$

(13) $36x^2 + 12xy + y^2$ (14) $64x^2 + 32xy + 4y^2$

(15) $49x^2 + 56xy + 16y^2$ (16) $25x^2 - 70xy + 49y^2$

(17) $81x^2 - 72xy + 16y^2$ (18) $81a^2 - 90ab + 25b^2$

(19) $36x^2 + 24xy + 4y^2$ (20) $36a^2 - 60ab + 25b^2$

展開の特訓 100 $(ax+by)^2, (ax-by)^2$ ④ (解答)

- (1) $4x^2 - 36xy + 81y^2$ (2) $81x^2 - 54xy + 9y^2$
 (3) $4x^2 + 28xy + 49y^2$ (4) $64x^2 + 96xy + 36y^2$
 (5) $81a^2 - 108ab + 36b^2$ (6) $49a^2 - 56ab + 16b^2$
 (7) $9a^2 - 24ab + 16b^2$ (8) $4x^2 + 24xy + 36y^2$
 (9) $x^2 - 16xy + 64y^2$ (10) $36x^2 - 36xy + 9y^2$
 (11) $64x^2 + 144xy + 81y^2$ (12) $36a^2 - 60ab + 25b^2$
 (13) $36a^2 - 84ab + 49b^2$ (14) $16a^2 + 72ab + 81b^2$
 (15) $x^2 + 4xy + 4y^2$ (16) $49x^2 + 28xy + 4y^2$
 (17) $4x^2 - 28xy + 49y^2$ (18) $49a^2 + 28ab + 4b^2$
 (19) $36x^2 + 96xy + 64y^2$ (20) $25x^2 + 40xy + 16y^2$

展開の特訓 100 $(ax+by)^2, (ax-by)^2$ ⑤ (解答)

- (1) $16a^2 - 24ab + 9b^2$ (2) $49x^2 - 112xy + 64y^2$
 (3) $25a^2 + 70ab + 49b^2$ (4) $49x^2 - 14xy + y^2$
 (5) $49a^2 + 28ab + 4b^2$ (6) $64a^2 - 80ab + 25b^2$
 (7) $36x^2 - 60xy + 25y^2$ (8) $64x^2 - 32xy + 4y^2$
 (9) $a^2 - 18ab + 81b^2$ (10) $a^2 + 14ab + 49b^2$
 (11) $25x^2 + 30xy + 9y^2$ (12) $9a^2 - 36ab + 36b^2$
 (13) $25a^2 + 20ab + 4b^2$ (14) $4x^2 - 32xy + 64y^2$
 (15) $36a^2 - 24ab + 4b^2$ (16) $16a^2 - 56ab + 49b^2$
 (17) $16a^2 + 48ab + 36b^2$ (18) $4a^2 + 28ab + 49b^2$
 (19) $64a^2 - 96ab + 36b^2$ (20) $16a^2 + 24ab + 9b^2$