

中3数学 展開 <テスト対策問題>解答

練習1 (1) $15x^2y - 10xy^2$ (2) $15x^2 - 6x$

練習2 (1) $6ab - 10a$ (2) $2a^2 + 5a$ (3) $-6x^2 + 2xy$ (4) $-6x^2 + 3xy - 15x$

練習3 (1) $6x^2 - 10xy$ (2) $-18x^2 - 12ab + 6a$ (3) $a^2 + 8a$ (4) $-2x^2$

練習4 (1) $4x - 1$ (2) $x - 2$

練習5 (1) $3a + 5$ (2) $3x^2 - 4x + 1$ (3) $3x + 1$ (4) $-20x + 15y$

練習6 (1) $3x + 6y$ (2) $-3y^2 + 9y$

練習7 (1) $6x^3 - 3xy$ (2) $b - 3$ (3) $10x - 6y$

練習8 (1) $12a^2 - 6a$ (2) $4x^2 - 5xy$ (3) $-16x^2 - 20xy + 8x$ (4) $9y - 3x$ (5) $3a^2 - a$

(6) $12xy + 9y$ (7) $x^2 - 30x$ (8) $-12a^2 + 21ab$

練習9 (1) $12a^2 - 20ab$ (2) $-5x^2 + 30xy$ (3) $10xy + 12y^2$ (4) $-2x^2 + 3xy$

(5) $-5a + 10$ (6) $5a^2 - 8ab - 6b^2$ (7) $4a^2 - 2ab + 4b^2$

練習10 (1) $xy + 3x - 2y - 6$ (2) $2x^2 + x - 3$

練習11 (1) $xy + 6x + 2y + 12$ (2) $xy + 4x + 3y + 12$ (3) $-6a^2 - 5ab + 4b^2$ (4) $4a^2 - 13ab + 3b^2$

練習12 $2a^2 - 2b^2 - 6a + 6b$

練習13 (1) $a^2 - ab + 2a + 6b - 48$ (2) $12x^2 + 5xy - 3y^2 - 6x + 2y$ (3) $3x^2 + 8xy - 10y^2$

練習14 (1) $x^2 + 9x + 20$ (2) $x^2 - 3x - 10$ (3) $x^2 + 3x - 18$ (4) $a^2 + a - 2$

練習15 (1) $x^2 + 8x + 12$ (2) $y^2 - 18y + 80$ (3) $y^2 + 6y - 27$ (4) $a^2 - 11a + 28$

(5) $y^2 + \frac{1}{4}y - \frac{3}{8}$

練習16 (1) $16x^2 - 8x - 3$ (2) $4x^2 - 2xy - 12y^2$

練習17 (1) $x^2 + 4x + 4$ (2) $x^2 - 10x + 25$

練習18 (1) $x^2 + 10x + 25$ (2) $x^2 + 14x + 49$ (3) $x^2 - 6x + 9$ (4) $a^2 - 14a + 49$

練習19 (1) $x^2 - 2xy + y^2$ (2) $a^2 - 4ab + 4b^2$ (3) $4x^2 + 12xy + 9y^2$

練習20 (1) $9x^2 - 6xy + y^2$ (2) $x^2 - 8xy + 16y^2$ (3) $x^2 - 6xy + 9y^2$ (4) $a^2 + ab + \frac{1}{4}b^2$

練習21 $x^2 - 25$

練習22 (1) $x^2 - 49$ (2) $x^2 - 4$ (3) $x^2 - 64$ (4) $-a^2 + 16$

練習23 (1) $9x^2 - 16y^2$ (2) $a^2 - 36b^2$ (3) $9x^2 - y^2$

練習24 (1) $-y^2 + 9$ (2) $25x^2 - 16y^2$ (3) $\frac{1}{4}x^2 - \frac{9}{25}$

練習25 (1) $x^2 + (a+b)x + ab$ (2) $x^2 + 2ax + a^2$ (3) $x^2 - 2ax + a^2$ (4) $x^2 - a^2$

練習26 (1) $ac - ad - bc + bd$ (2) $12a^2 - ab - 35b^2$ (3) $x^2 - 8x + 15$ (4) $x^2 - 5xy - 14y^2$

(5) $a^2 + 10a + 25$ (6) $x^2 - 4xy + 4y^2$ (7) $a^2 - 36b^2$ (8) $64x^2 - 9y^2$

練習27 (1) $ab + 3a + 2b + 6$ (2) $3x^2 + 5x + 2$ (3) $x^2 + 9x + 20$ (4) $x^2 - 12x + 36$ (5) $a^2 - 9$

(6) $4x^2 + 5x + 2$ (7) $4a^2 + 2a + \frac{1}{4}$ (8) $a^2 - 81$ (9) $x^2 - 3xy - 10y^2$

(10) $\frac{1}{4}x^2 - 5x + 24$

練習28 -1

練習29 (1) $-6x + 25$ (2) $3x^2 - 26y^2$

練習30 (1) $-3x$ (2) $12xy$ (3) $-16x + 9$

練習31 $a^2 + 2ab + b^2 - 4$

練習32 $9a^2 + 12ab + 4b^2 - 25$