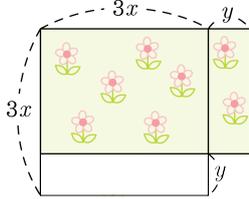


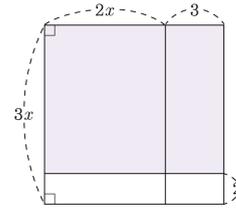
14. A rectangular field is divided into two parts. The width of the field is $3x$ m and the length is y m. The area of the field is $3x^2 + 6xy + y^2$ m². The area of the smaller part is $9x^2 - 6xy + y^2$ m². Find the area of the larger part.



- ① $9x^2 + 6xy + y^2$ (m²)
- ② $9x^2 - 6xy + y^2$ (m²)
- ③ $6x^2 - y^2$ (m²)
- ④ $9x^2 - y^2$ (m²)
- ⑤ $9x^2 + y^2$ (m²)

15. The area of a rectangle is $(x - 7)(5x + a)$ m². The area of the rectangle is -30 m². Find the value of a .

16. A rectangle is divided into two parts. The width of the rectangle is $2x$ and the length is 3 . The area of the rectangle is $6x^2 + 5x - 6$. Find the area of the smaller part.



- ① $6x^2 + 5x - 6$
- ② $4x^2 + 12x + 9$
- ③ $9x^2 - 12x + 4$
- ④ $6x^2 - 5x + 6$
- ⑤ $4x^2 - 5x + 6$

17. Find the value of $5^2 + 5^2 + 5^2 + 5^2 + 5^2 + 5^2 + 5^2 + 5^2$.

- ① $(5^2)^7$
- ② $(5^7)^2$
- ③ 5×7^2
- ④ $(5 \times 7)^2$
- ⑤ 7×5^2

18. $3^3 = A$, $2^4 = B$. Find the value of 48^3 in terms of A and B .

- ① AB^2
- ② A^3B
- ③ AB^3
- ④ A^2B
- ⑤ A^3B^2

19. The area of a rectangle is $3x^2 + 5x - 4$ m². The length of the rectangle is $7x^2 + 3x + 1$ m. Find the width of the rectangle.

- ① $-4x^2 + 2x - 3$
- ② $-4x^2 - 8x - 5$
- ③ $4x^2 + 8x - 3$
- ④ $10x^2 + 8x - 5$
- ⑤ $10x^2 + 8x - 3$

20. $\frac{6x^2 - 9x}{2} - \frac{x^2 - 8x + 5}{3} = ax^2 + bx + c$ $a + c$ \hat{e}° \hat{e}^μ \hat{e}° ?

- ① 1 ② $\frac{3}{2}$ ③ 4 ④ $\frac{9}{2}$ ⑤ 5

21. $(x - 4)(x - 2)(x + 1)(x + 3) - 25 = Ax^4 + Bx^3 + Cx^2 + Dx + E$ $A + B + C + D + E$ \hat{e}° \hat{e}^μ \hat{e}° ?

- ① -2 ② -1 ③ 0 ④ 1 ⑤ 2

22. a, b $2^a + 2^b \leq 1 + 2^{a+b}$ $a = 0$ $b = 0$ $a + b + c = 4$ $2^a + 2^b + 2^c$ $c \geq 0$

23. $A = x(2x + 1), B = (8x^3 + 2x^2 - 6x) \div (-2x), C = (2x^4y^2)^3 \div (2x^5y^3)^2$ $A - [2B - \{A + (B + C)\}]$

- ① 10 ② 11 ③ 12 ④ 13 ⑤ 14

24. $(2x - 1)(2x + A) = (-2x + 2)^2 + Bx$ $A - B$ \hat{e}° ?

- ① -4 ② -2 ③ 0 ④ 2 ⑤ 4

25. $P = \frac{a}{(a-b)(a-c)} + \frac{b}{(b-c)(b-a)} + \frac{c}{(c-a)(c-b)}$