

1章 式の計算(因数分解) /

1. 次の式を因数分解せよ。

(1)  $2x+4$

(2)  $3x+9$

(4)  $5a-10$

(5)  $3x-12$

(7)  $7-7x$

(8)  $15+5x$

(10)  $ac-bc$

(11)  $mx+my$

(13)  $4a-8b$

(14)  $12a+8b$

(16)  $9ax-3bx$

(17)  $x-3xy$

(18)  $a^2-a$

(19)  $2x-4x^2$

(20)  $2a+2b-2c$

(21)  $5ax+5ay-5az$

(23)  $6a^2b-18ab+12a$

(24)  $10a^2b+20ab^2+5a^2b$

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$mx+my=m(x+y)$

(3)  $6x+12$

(6)  $8x-4$

(9)  $20-10y$

(12)  $ab-5a$

(15)  $28x-21y$

2. 次の式を因数分解せよ。

(1)  $x^2-9$

(3)  $x^2-36$

(5)  $x^2-1$

(7)  $x^2-81$

(9)  $x^2-64$

(11)  $x^2-y^2$

(13)  $9x^2-1$

(15)  $x^2y^2-a^2$

(17)  $49x^2-36y^2$

$a^2-b^2=(a+b)(a-b)$

(2)  $x^2-25$

(4)  $x^2-100$

(6)  $x^2-4$

(8)  $x^2-49$

(10)  $x^2-16$

(12)  $4x^2-9$

(14)  $25y^2-49$

(16)  $16a^2-25b^2$

(18)  $\frac{x^2}{9}-\frac{y^2}{25}$