

因式分解

例

1. $ax + ay$

2. $ax + ay + bx + by$

練習

1. $10ab + 5ac$

2. $8xy + 2yz$

3. $12pq - 4qr$

4. $-4r^2s - 12rs^2$

5. $25x^2y^3 + 15xy$

6. $-8p^2q^4 + 12p^5q^3$

7. $14y^4 + 21y^3 - 7y^2$

8. $12y^5 - 6y^3 + 27y^2$

9. $24x^3 - 32x^2 + 12x$

10. $12(x + y)^2 - 9(x + y)z$

11. $6(x + y) + 8(x - y)^2$

12. $21(p + q)^2r - 28(p + q)r^2$

練習

1. $ax - bx + ay - by$

2. $ax + bx + ac + bc$

3. $abx + aby - acx - acy$

4. $7mn - 5p - 7mp + 5n$

5. $3a + 2b - 3ac - 2bc$

6. $2a^2x - 21by - 6a^2y + 7bx$

7. $3p^3 - 3p^2 - p + 1$

8. $5t^3 - 2t^2 + 5t - 2$

9. $4x^3 + 28x^2 - 5x - 35$