

(問) 次の(1)~(15)の式を因数分解せよ.

(1)  $2ab - 4ab^2 + 8a^2b$

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

(3)  $x^2 + 6x - 16$

(4)  $z^2 + 26z + 169$

(5)  $x^2 - 10xy + 25y^2$

(6)  $4ay^2 - 16ayz + 12az^2$

(7)  $25m^2 + 30mn + 9n^2$

(8)  $100x^2 - 16y^2$

(9)  $t^4 - 8t^2 + 16$

(10)  $x^2 - 9 + 6y - y^2$

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

(12)  $xy + x + 2y + 2$

(13)  $x^2 - xy + 2x + y - 3$

(14)  $a^2b - ab^2 + b^2c - bc^2 + c^2a - ca^2$

(15)  $x^3 + y^3 - x^2y - xy^2 - yz^2 - z^2x$