

【問題】 次の式を因数分解しなさい。

$$\textcircled{1} \quad x^2+4x-45 = (x-5)(x+9)$$

$$\textcircled{2} \quad 5a^2-10b+15c = 5(a^2-2b+3c)$$

$$\textcircled{3} \quad a^2-8a+12 = (a-6)(a-2)$$

$$\textcircled{4} \quad x^2+13xy+40y^2 = (x+5)(x+8)$$

$$\textcircled{5} \quad 14x^2-21xy+35x = 7x(2x-3y+5)$$