

次の式を微分しなさい。

(1) $y = (x^2 - 4x + 3)^3$

(3) $y = (x^2 - x + 3)(3x^2 - 2)^2$

(5) $y = \left(\frac{2x+3}{x^2-1}\right)^3$

(2) $y = (x+4)^3(1-2x)^3$

(4) $y = \frac{x-3}{(x-1)(x-2)}$