

a

$$u = 1 + x + \frac{x^2}{2} + \dots$$

b

$$y = 2ax + b$$

C

$$y = 2x + 2a$$

d

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

2

$$\frac{dw}{dt} = a - bt$$

3

$$rac{dy}{dx} = 2x$$

4

$$y = 2822x^5 - 16351x^4 - 748x^3 - 4096x^2 + 1379x$$

5

$$\frac{dx}{dy} = 2y + 8$$

$$\frac{2(3x+2) - 3(2x+3)}{(3x+2)^2} = \frac{-5}{(3x+2)^2}$$

$$\frac{9x^2 + 6x^3 + 6x^4}{(1+x+2x^2)^2}$$

$$rac{ad-cb}{(cx+d)^2}$$

$$\frac{anx^{-n-1} + bnx^{n-1} + 2nx^{-1}}{(x^{-n} + b)^2}$$