

$$(1) \quad y = Ax^2 + \frac{B}{x} \quad \Longrightarrow \quad xy = Ax^3 + B$$

$$(2) \quad y = A \sin x + B \cos x \quad \Longrightarrow \quad \frac{y}{\cos x} = A \tan x + B$$

$$(3) \quad y = A \sin x + Be^x \quad \Longrightarrow \quad ye^{-x} = Ae^{-x} \sin x + B$$

$$(4) \quad y = \frac{1}{\sqrt{Be^{Ax^2}}} \quad \Longrightarrow \quad \ln\left(\frac{1}{y^2}\right) = Ax^2 + \ln(B)$$

$$(5) \quad y = \frac{A \cos(\pi x) + B}{x} \quad \Longrightarrow \quad xy = A \cos(\pi x) + B$$

$$(6) \quad y = C + \frac{D}{x} \quad \Longrightarrow \quad y = D\left(\frac{1}{x}\right) + C$$

$$(7) \quad y = \frac{A}{x} + B \cos x \quad \Longrightarrow \quad xy = Bx \cos x + A$$

$$(8) \quad y = Ax^3 + B \cos x \quad \Longrightarrow \quad \frac{y}{\cos x} = A\left(\frac{x^3}{\cos x}\right) + B$$

$$(9) \quad y = \frac{x}{A+Bx} \quad \Longrightarrow \quad \frac{1}{y} = A\left(\frac{1}{x}\right) + B$$

$$(10) \quad y = Ce^{Dx} \quad \Longrightarrow \quad \ln(y) = Dx + \ln(C)$$

$$(11) \quad y = ae^{bx^2} \quad \Longrightarrow \quad \ln(y) = bx^2 + \ln(a)$$

$$(12) \quad y = \frac{Cx}{D+x} \quad \Longrightarrow \quad \frac{1}{y} = \frac{D}{C}\left(\frac{1}{x}\right) + \frac{1}{C}$$

$$(13) \quad y = \frac{A}{x} + B \quad \Longrightarrow \quad xy = Bx + A$$

$$(14) \quad y = \frac{D}{x+C} \quad \Longrightarrow \quad \frac{1}{y} = \frac{1}{D}x + \frac{C}{D}$$

$$(15) \quad y = Cx^D \quad \Longrightarrow \quad \ln(y) = D \ln(x) + \ln(C)$$

$$(16) \quad y = (Ax^2 + B)^3 \quad \Longrightarrow \quad \sqrt[3]{y} = Ax^2 + B$$

$$(17) \quad y = Cxe^{-Dx} \quad \Longrightarrow \quad \ln\left(\frac{y}{x}\right) = -Dx + \ln(C)$$

$$(18) \quad y = Ax^2 + Bx \quad \Longrightarrow \quad \frac{y}{x} = Ax + B$$