

Sample Equations

$$x' + y^2 = z_i^2 \tag{1}$$

$$-2\ln|x-2| + 3\ln|x-3| + C \tag{2}$$

$$y = k\,e^{x^2/2} - 1 \tag{3}$$

$$\frac{dr}{dt} = \frac{1}{\pi} \tag{4}$$

$$[-1/\sqrt{3},0]\cup[1/\sqrt{3},+\infty[\tag{5}$$

$$\frac{\cos x}{2\sqrt{\sin x}} \tag{6}$$

$$A=\int_0^1\frac{\ln(x+1)\sqrt{x^2+2x+2}}{x+1}\,dx \tag{7}$$

$$\frac{1}{2}\int_0^{\pi/3}\sin^23\theta\,d\theta=\frac{\pi}{12} \tag{8}$$