

Sample Equations

1. $x' + y^2 = z_i^2$

2. $-2 \ln |x - 2| + 3 \ln |x - 3| + C$

3. $y = k e^{x^2/2} - 1$

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

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

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

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

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