

Evaluate the following indefinite integrals:

1.  $\int \frac{dx}{x^2 + 2x + 5}$

2.  $\int \frac{dy}{y^2 - 6y + 18}$

3.  $\int \frac{t^2 - 1}{t^2 + 1} dt$

4.  $\int \frac{dx}{2 + x - x^2}$

5.  $\int \frac{2x - 5}{x^2 + 6x + 25} dx$

6.  $\int \frac{2x + 3}{x^2 + 9} dx$

7.  $\int \frac{x + 1}{x^2 + 10x + 18} dx$

8.  $\int \frac{dx}{\sqrt{3 + 2x - x^2}}$