

## Practice Worksheet

## Topic Name

## 1 Practice Problems

1. Solve for  $x$ :  $2x + 5 = 13$
  2. Simplify:  $(x^2 + 3x - 4)/(x - 1)$
  3. Calculate:  $\int_0^\pi \sin(x)dx$
  4. Find the derivative of  $f(x) = x^3 + 2x^2 - 5x + 1$
  5. Solve the system:

$$\begin{aligned}2x + y &= 5 \\ x - y &= 1\end{aligned}$$