

Pair of Linear Equations in two Variables : Worksheet -3

1. Solve each pair of equation by using the substitution method.

1.
$$\begin{aligned} 3x - 5y &= -1 \\ x - y &= -1 \end{aligned}$$

2.
$$\begin{aligned} x + 2y &= -1 \\ 2x - 3y &= 12 \end{aligned}$$

3.
$$\begin{aligned} 2x + 3y &= 9 \\ 3x + 4y &= 5 \end{aligned}$$

4.
$$\begin{aligned} x + \frac{6}{y} &= 6 \\ 3x - \frac{8}{y} &= 5 \end{aligned}$$

5.
$$\begin{aligned} 0.2x + 0.3y &= 1.3 \\ 0.4x + 0.5y &= 2.3 \end{aligned}$$

6.
$$\begin{aligned} \sqrt{2}x + \sqrt{3}y &= 0 \\ \sqrt{3}x - \sqrt{8}y &= 0 \end{aligned}$$

