

Straight line graphs Straight line graphs

1. Solve the following simultaneous equations:

1.
$$\begin{aligned} 2x + 5y &= 16 \\ 2x + 3y &= 8 \end{aligned}$$

2.
$$\begin{aligned} 3x - 4y &= 17 \\ x - 4y &= 3 \end{aligned}$$

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

4.
$$\begin{aligned} 4x - y &= 17 \\ x - y &= 2 \end{aligned}$$

5.
$$\begin{aligned} 2x + 5y &= 37 \\ 2x + y &= 11 \end{aligned}$$

6.
$$\begin{aligned} 3x + 2y &= 9 \\ x - 2y &= 4 \end{aligned}$$

7.
$$\begin{aligned} 4x + 3y &= 10 \\ 3x + y &= 10 \end{aligned}$$

8.
$$\begin{aligned} 2x - y &= -7 \\ x + y &= 4 \end{aligned}$$

9.
$$\begin{aligned} 5x - 2y &= 65 \\ 4x + 3y &= 29 \end{aligned}$$

10.
$$\begin{aligned} 9x - 2y &= -34 \\ 2x - y &= -7 \end{aligned}$$

11.
$$\begin{aligned} 3x + 3y &= 12 \\ 4x + 5y &= 13 \end{aligned}$$

12.
$$\begin{aligned} 2x + 3y &= 2 \\ x - 4y &= -21 \end{aligned}$$