

The graphs of $3x - y = 7$ and $5x + y = 9$ are shown.

Only one pair of values for (x, y) satisfies both equations. This corresponds to the point of intersection of the two graphs. In this example it is $x = 2$ and $y = -1$

When you solve two equations together like this, they are called **simultaneous equations**.

You can solve a pair of linear simultaneous equations

Key point

1. Graphically.
2. By eliminating one of the **variables**.
3. By substituting an expression for one of the variables from one equation into the other.

