

In this approach, we will use the full CAS capability of Classpad.

Start in Main and tap on the simultaneous solver template highlighted below on the Main1 tab.

Next enter the equations  $2x - 3y = -1$  and  $x + y = 7$ , followed by the variables to solve for, and tap EXE.

To solve equations with more than two unknowns, simply tap the simultaneous solver template again until sufficient lines exist to enter all equations.

ClassPad is also happy to solve non-linear simultaneous equations, when more than one solution may exist.

The screenshot shows the 'Edit Action Interactive' window with the simultaneous solver template selected. The template consists of two empty rows for equations and two empty boxes for variables. The calculator interface below shows the 'Trig' row with the simultaneous solver template icon highlighted in blue.

The screenshot shows the equations  $2x - 3y = -1$  and  $x + y = 7$  entered into the template. The variables  $x, y$  are specified in the bottom right. The solution  $\{x=4, y=3\}$  is displayed in the bottom right. The calculator interface below shows the 'Trig' row with the simultaneous solver template icon highlighted in blue.

This screenshot is identical to the previous one, showing the equations  $2x - 3y = -1$  and  $x + y = 7$  with variables  $x, y$  and the solution  $\{x=4, y=3\}$ .

The screenshot shows non-linear equations  $2/x = y$  and  $x = y - 1$  entered into the template. The variables  $x, y$  are specified. The solution set  $\{\{x=-2, y=-1\}, \{x=1, y=2\}\}$  is displayed. The calculator interface below shows the 'Trig' row with the simultaneous solver template icon highlighted in blue.