

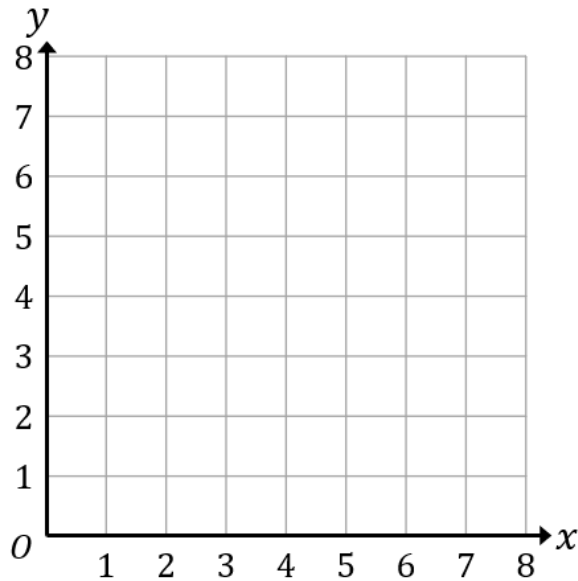
Investigating Solutions to Simultaneous Equations

(a)

On the grid, plot the lines with equations

$$x + y = 6$$

$$x + 2y = 8$$



Hence find the number of solutions to the simultaneous equations

$$x + y = 6$$

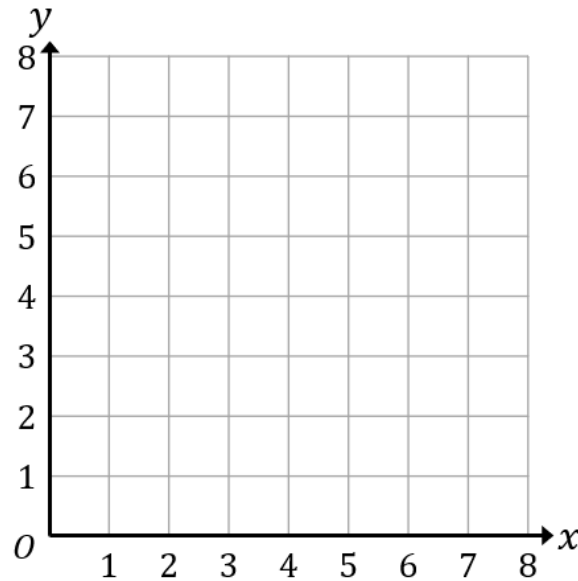
$$x + 2y = 8$$

(b)

On the grid, plot the lines with equations

$$x + y = 6$$

$$x + y = 8$$



Hence find the number of solutions to the simultaneous equations

$$x + y = 6$$

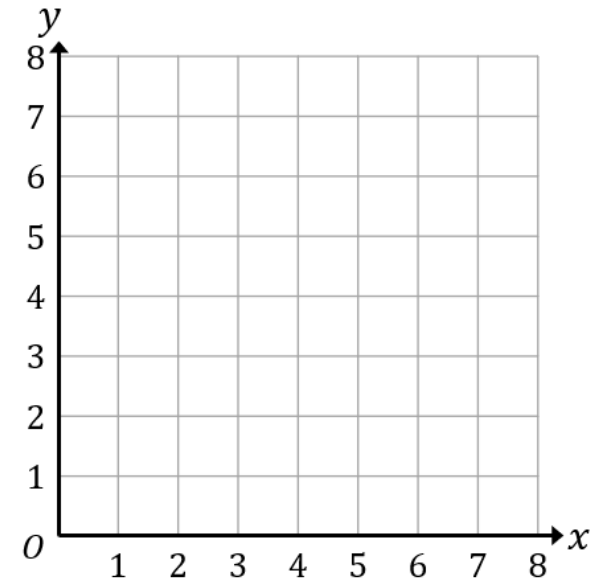
$$x + y = 8$$

(c)

On the grid, plot the lines with equations

$$x + y = 6$$

$$2x + 2y = 12$$



Hence find the number of solutions to the simultaneous equations

$$x + y = 6$$

$$2x + 2y = 12$$