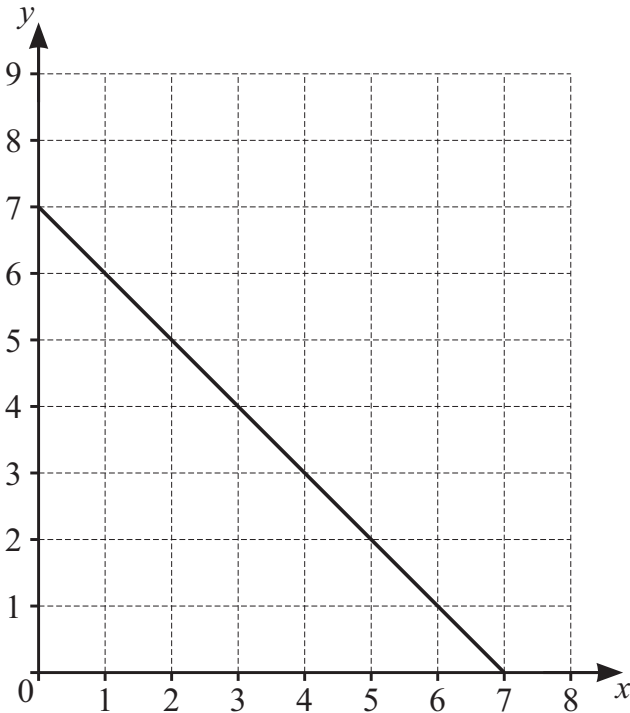


22 The equation of line L is $y = -\frac{1}{2}x + 7$.

Find an equation of the line perpendicular to line L that passes through the point $(3, 5)$.
Give your answer in the form $y = mx + c$.

$y = \dots\dots\dots$ [3]

6



The line $x + y = 7$ is drawn on the grid.

(a) On the grid, draw the line $y = 2x + 1$. [2]

(b) Use your graph to solve these simultaneous equations.

$x + y = 7$

$y = 2x + 1$

$x = \dots\dots\dots$

$y = \dots\dots\dots$

[1]