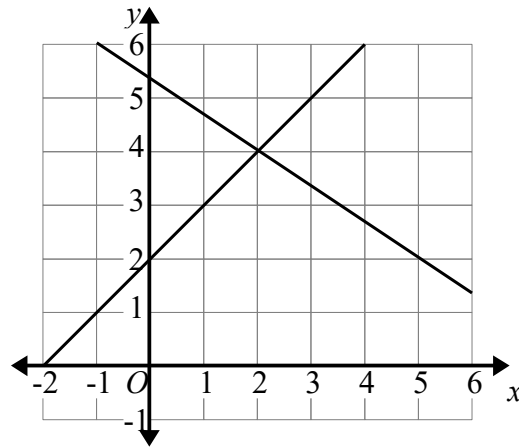


1

The graphs of the straight lines with equations  $y = x + 2$  and  $2x + 3y = 16$  have been drawn on the grid.

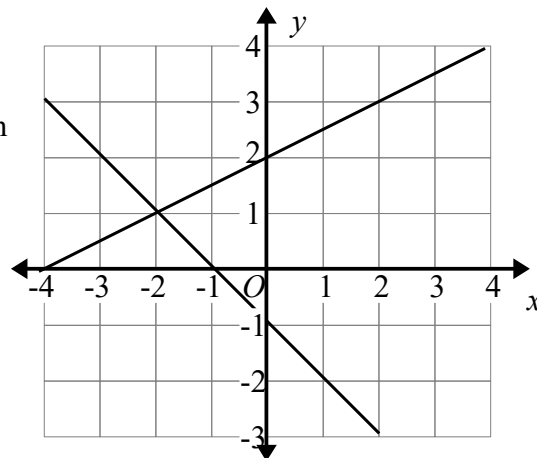


Use the graphs to solve the simultaneous equations

$$\begin{aligned} y &= x + 2 \\ 2x + 3y &= 16 \end{aligned}$$
**(2 marks)**

2

The graphs of the straight lines with equations  $2y - x = 4$  and  $x + y = -1$  have been drawn on the grid.



Use the graphs to solve the simultaneous equations

$$\begin{aligned} 2y - x &= 4 \\ x + y &= -1 \end{aligned}$$
**(2 marks)**

3 (a) On the same grid, draw the graphs of  $4y - 6x = 7$  and  $y = -2x$  **(2)**

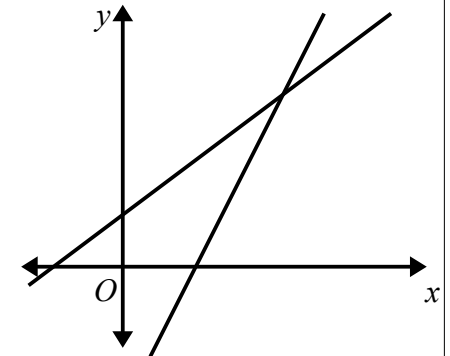
(b) Use the graphs to solve the simultaneous equations  $4y - 6x = 7$   
 $y = -2x$

**(2)****(4 marks)**

4

The diagram shows two straight lines.  
The equation of the lines are  $y = 4x - 5$  and  $y = 2x + 1$

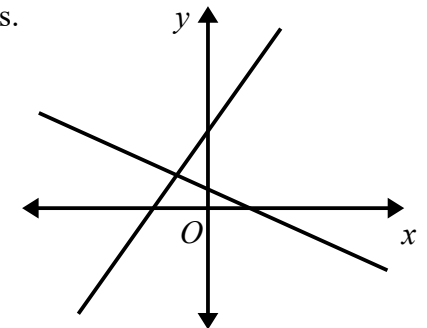
Work out the coordinates of the point where the lines intersect.

**(3 marks)**

5 The diagram shows two straight lines.

The equation of the lines are  $y = 2x + 3$

and  $y = -\frac{2}{3}x + 1$



Work out the coordinates of the point where the lines intersect.

**(3 marks)**