

Graphical Simultaneous Equations

Textbook answers

1a) (3,1)

b) $x = 3, y = 1$

2a) (-2, -2)

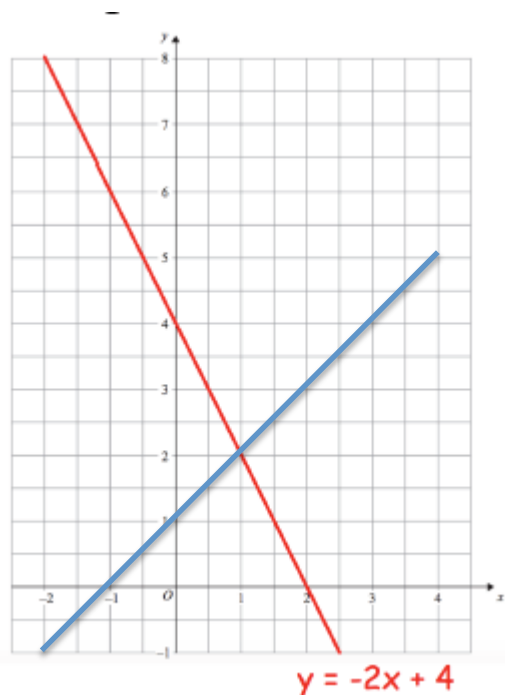
b) $x = -2, y = -2$

3a) (4, 4)

b) $x = 4, y = 4$

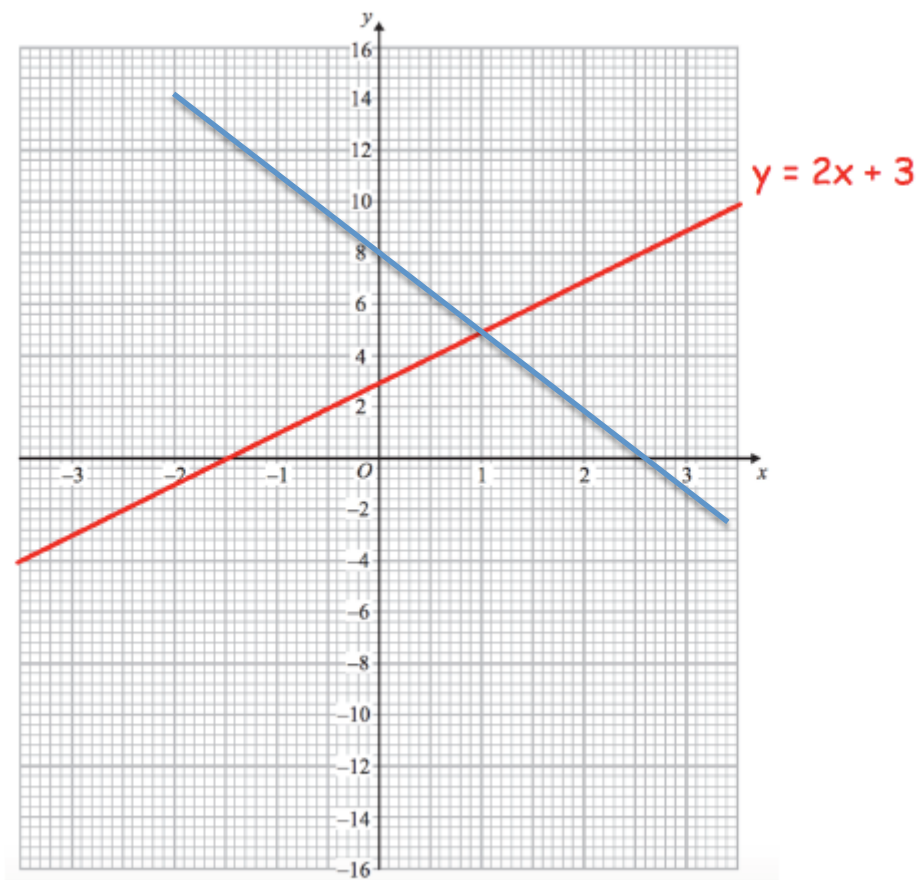
4) $x = 1.5, y = 0$

5a)



b) $x = 1, y = 2$

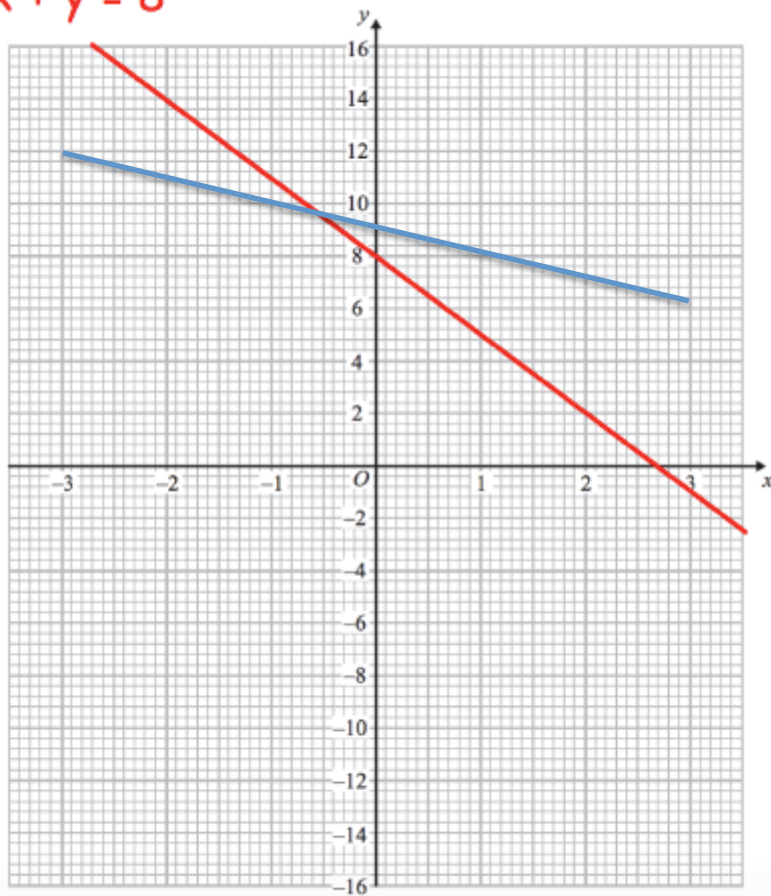
6a)



b) $x = 1, y = 5$

7a)

$$3x + y = 8$$



b) $x = -0.5, y = 9.5$

8) $x = 1.5$ and $y = 5.5$

9) $x = -0.8$ and $y = 2.6$

Apply

1)

The lines will intersect, but not on the axes he has drawn. He needs to extend both axes.

(They will intersect at (7,10))

2)

Trevor is correct.

Harry has drawn $y = -x + 3$ with a gradient of 1, which is incorrect, as it should have a gradient of -1