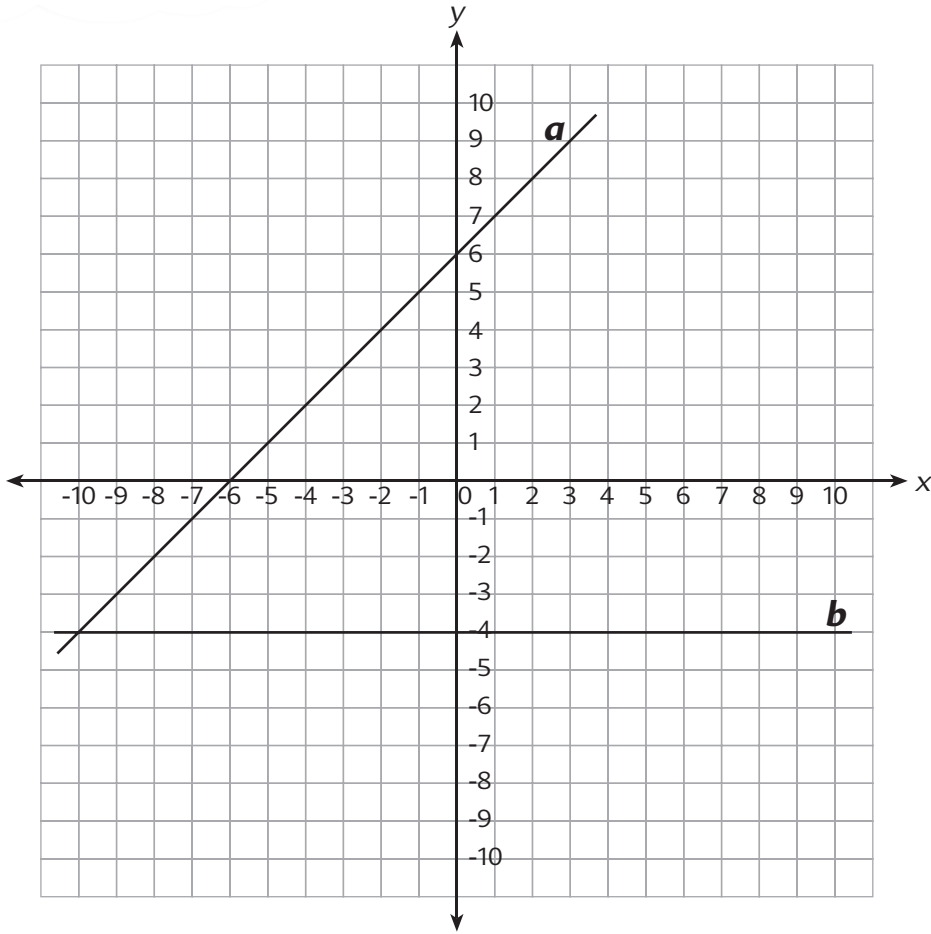


EXERCISE 8

1.



(a) Complete the table for $y = 4 - x$ for values of x from 0 to 6.

x	0	1	2	3	4	5	6
y							
(x, y)							

(b) Graph the points, and draw a line through them. Name this line Line **c**. Extend the line so that it intersects Lines **a** and **b**.

(c) The three lines intersect to form a triangle. Give the coordinates of the vertices of the triangle. , , ,

(d) Find the area of the triangle formed by the three lines, in square units.

(e) Any point on Line **b** has a y -coordinate of .

(f) Which line contains the point $(-5, 1)$?