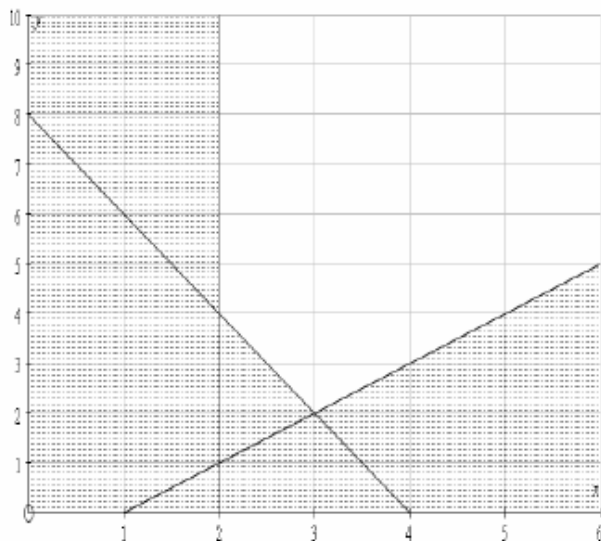


Graphing Inequalities (From OCR 6993)

Q1, (Jun 2009, Q10)

(i)



B2,1

Lines, -1 each error

B2,1

Shading, -1 each error
Correct side of line. ft if gradient is the same sign.

4

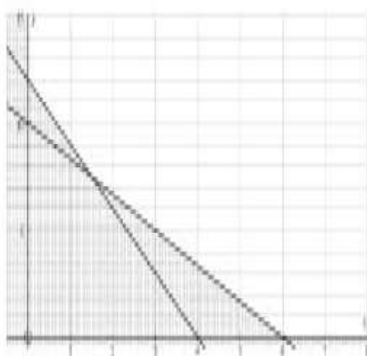
(ii) $y = 2$

E1

ft their graph

1

Q2, (Jun 2011, Q8i)



B1

for one line

B1

for correct shading

B1

for other line

B1

for correct shading

B1

for correct shading to give $x \geq 0, y \geq 0$

NB If intercepts are within 1 small square of the correct points then give the marks for the lines

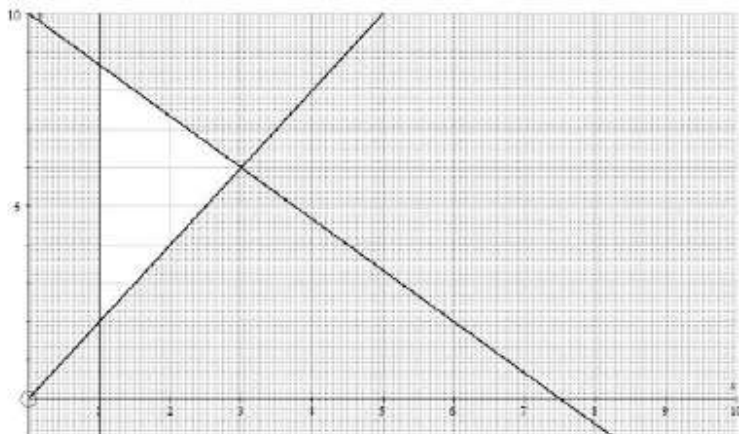
If there is work here that is not crossed out, then mark it and ignore anything on Page 18.

Helpful hint:
Lines go through (0, 12) and (4,0)
(0, 10) and (6, 0)
Intersection at (1.5, 7.5)

If B0 for a line allow B1 for shading if negative gradient and lines intersect

5

Q3, (Jun 2016, Q10i)



B1

One line

B1

2nd line

B1

3rd line

B1

Shading $x \leq 1$

B1

Other shading. Allow ft if gradients of lines are the same sign as the correct lines.

