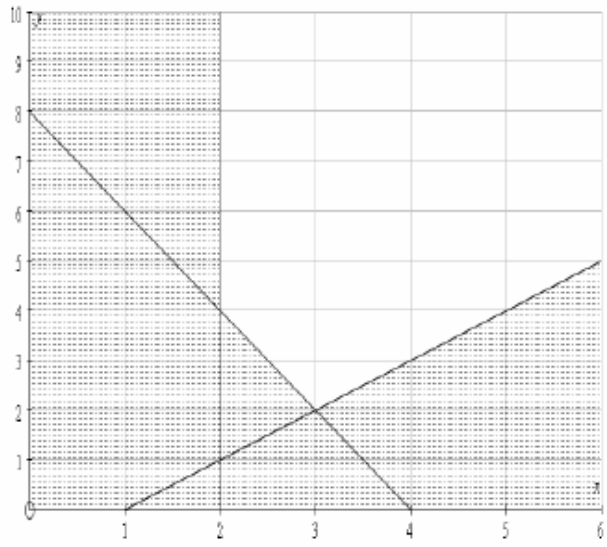
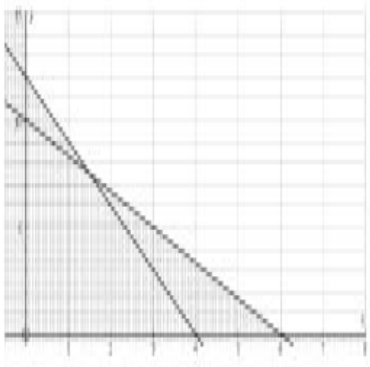
Graphing Inequalities (From OCR 6993)

Q1, (Jun 2009, Q10)

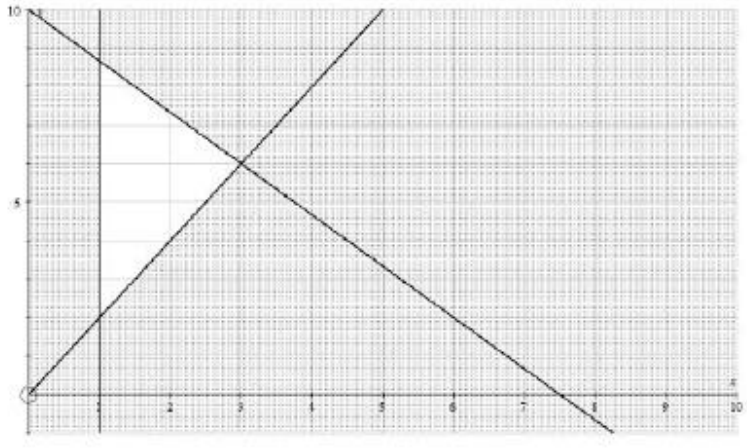
(i)		B2,1 B2,1 **4**	Lines, −1 each error Shading, −1 each error Correct side of line. ft if gradient is the same sign.
(ii)	$y = 2$	E1 **1**	ft their graph

Q2, (Jun 2011, Q8i)



B1 **B1**	for one line for correct shading	*If there is work here that is not crossed out, then mark it and ignore anything on Page 18.*
B1 **B1**	for other line for correct shading	Helpful hint: Lines go through (0, 12) and (4,0) (0, 10) and (6, 0)
B1	for correct shading to give $x \geq 0$, $y \geq 0$	Intersection at (1.5, 7.5)
	NB If intercepts are within 1 small square of the correct points then give the marks for the lines	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.