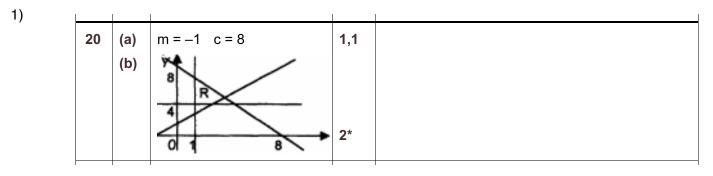
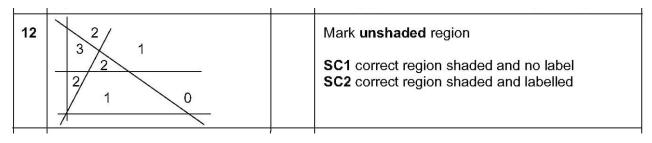
Linear Programming 1 Answers

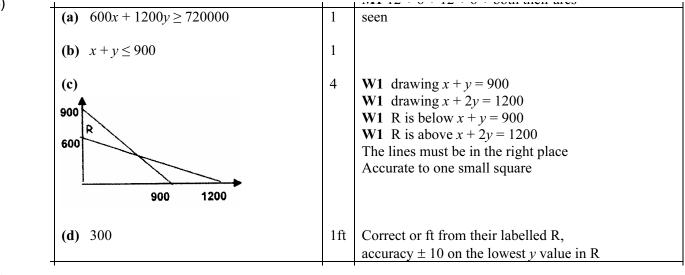


2)



3)	y > 0 o.e. x < 2 o.e. $y > \frac{1}{2}x$ o.e. y < 2x + 4 o.e.	B1 B1 B1	For all four, condone strict inequalities and only penalise first incorrect sign, which may be = or an inequality sign	
		B2	If B0, B1 for 2x or for 4 if other co-efficient is not zero $y < \frac{1}{2}x + 4$ gets zero [9]	

4)



5)

draw $2x - y = 4$	2	W1 Line through (2,0) or (0,-4)	
draw $x + y = 6$	1	R	
draw $y = 4$	1	0	
correct region identified by R	1	6	

