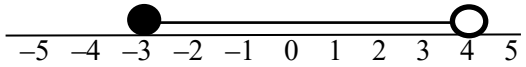
Paper: 1MA1/2H				
Question	**Working**	**Answer**	**Mark**	**Notes**
14 **Q1**		Region R shaded	M1 M1 A1	for two of the lines $y = 1$, $x + y = 5$, $y = 2x$ correctly drawn for three lines correctly drawn for fully correct region indicated with all lines correct

Paper 1MA1: 3H				
Question	**Working**	**Answer**	**Mark**	**Notes**
13 **Q2**		$y \geq -2$, $y \geq x$ and $y \leq 0.5x + 1$	M1 M1 M1 A1	$y = -2$ indicated; accept any inequality for "=" $y = x$ oe indicated; accept any inequality for "=" $y = 0.5x + 1$ oe indicated; accept any inequality for "=" $y \geq -2$, $y \geq x$ and $y \leq 0.5x + 1$

Paper: 1MA1/2H				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
1 (a)	$n > 2$	M1	for a method to isolate terms in n in any inequality or equation eg $14n - 11n > 6$ or $n = 2$	Ignore incorrect inequality sign and accept "=" sign
		A1	cao	
(b)	 	M1	for $-2 - 3 < x \leq 4 - 3$ $(-5 < x \leq 1)$	A circle around −5 and 1 implies M1
Q3		M1	for drawing a line from −5 to 1 **or** (indep) for an open circle at either −2 or −5 **or** (indep) for a closed circle at 4 or 1	A line from −5 to 1 implies M2 if no working shown
		A1	cao	

Paper: 1MA1/3H				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
13 (a) **Q4**	region identified	M1	for 2 of lines $x = 2$, $y = x + 3$, $2x + 3y = 6$ correctly drawn	Accept use of full or broken lines for all marks
		M1	for all 3 lines $x = 2$, $y = x + 3$, $2x + 3y = 6$ correctly drawn	
		M1	for region which satisfies at least 2 of the inequalities $x \leq 2$, $y \leq x + 3$, $2x + 3y \geq 6$	Award for clear intention, shading not needed.
		A1	for correct region identified	Award for clear intention, shading not needed.
(b)	no supported with reason	B1	for no and reason, eg (2, 4) does satisfy $x + y \leq 6$ or (2, 4) lies on the boundary of the region satisfying the equality sign.	

Paper: 1MA1/1H				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
17 **Q5**	Region shaded	M1 M1 A1	for two of the lines $2y + 4 = x$, $x = 3$, $y = 6 - 3x$ correctly drawn for all three correct lines correctly drawn for a fully correct region indicated with all lines correct	Accept full or broken lines for all marks Award for clear intention, shading not needed Diagram at end of mark scheme

Paper: 1MA1/2H				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
1 (a)	$x > -1$	B1	cao	
(b)	Diagram drawn	C2	for a fully correct diagram, eg  	
Q6		(C1	for drawing a line from −3 to 4 **or** (indep) for an open circle at 4 **or** (indep) for a closed circle at −3)	Condone arrow heads or line ending to denote the 'end' of the line

Paper: 1MA1/2H				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
16 **Q7**	$y \geq 3x + 6$	M1	for $y = 6$ indicated **or** $x = -3$ indicated	Accept any inequality in place of "=" for all method marks
	$x \geq -3$	M1	for $y = 3x + 6$ oe indicated	Equations/inequalities may be seen on the diagram
	$y \geq -\frac{x}{2} + 1$	M1	for $y = -\frac{x}{2} + 1$ oe indicated	
	$y \leq 6$	A1	for $y \geq 3x + 6$ oe, $x \geq -3$, $y \geq -\frac{x}{2} + 1$ oe and $y \leq 6$	

Paper: 1MA1/3H				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
11 **Q8**	5, 6, 7	M1 A1	for identification of possible values of x (4,5,6,7) or of y (5,6,7,8,9) cao	Could be shown on a number line or using a Venn diagram This mark can be awarded for an answer of 4, 5, 6, 7 Answers may be given in any order.

Paper: 1MA1/1H				
Question	**Answer**	**Mark**	**Mark scheme**	**Additional guidance**
1 **Q9**	$x < 5$	M1 A1	for adding 27 to both sides or dividing throughout by 7 (in an inequality or an equation) as a first step **or** showing 5 as the critical value cao	 Can be written as $x = 5$