NAME _____ INDEX NUMBER _____

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SCHOOL_____ DATE

LINEAR INEQUALITIES

1. 1999 Q 2 P2	
Find the range of x if $2 \le 3 - x < 5$	
(2 marks)	
2 2000 Q 6 P2	
Find all the integral value of x which satisfy the	
2 (2-x) < 4x - 9 < x + 11	
(3 marks)	1



		Working Space
5	2003 Q 12 P2 A mixed school can accommodate a maximum of 440 students. The number of girls must be at least 120 while the number of boys must exceed 150.Taking x to represent the number of boys and y the number of girls, write down all the inequalities representing the information above. (3 marks)	
6	2004 O 15 P2	
	Form the three inequalities that satisfy the given region R.	

		Working Space
7	2006 Q 5 P1 Solve the inequality $3 - 2x \angle x \le \frac{2x+5}{3}$ and show the solution on the number line	
	(4 marks)	
8	2010 Q 5 P1	
	The sum of three consecutive odd integers is greater than 219.Determine the first three such integers.	
	(4 marks)	
9	 2011 Q 4 P2 a) Solve the inequalities 2x -5> -11 and 3 + 2x ≤ 13, giving the answer as a combined inequality. (3 marks) b) List the integral values of x that satisfy the combined inequality in (a) above (1 mark) 	