SCHOOL
DATE

## LINEAR INEQUALITIES

| KCSE 1989-2012 Form 2 Mathematics | Working Space |
| :--- | :--- | :--- |
| Find the range of x if $2 \leq 3-\mathrm{x}<5$ |  |



|  |  | Working Space |
| :---: | :---: | :---: |
| 5 | 2003 Q 12 P2 <br> 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. <br> (3 marks) |  |
| 6 | 2004 Q 15 P2 <br> Form the three inequalities that satisfy the given region $R$. |  |


| 7 | 2006 Q 5 P1 <br> Solve the inequality $3-2 \mathrm{x} \angle \mathrm{x} \leq \frac{2 x+5}{3}$ and show the <br> solution on the number line |  |  |  |  |  | Working Space |
| :--- | :--- | :--- | :---: | :---: | :---: | :---: | :---: |
| 8 | The sum of three consecutive odd integers is greater <br> than 219.Determine the first three such integers. |  |  |  |  |  |  |
| 2010 Q 5 P1 |  |  |  |  |  |  |  |

