## YEAR 11 HOMEWORK - 2R

Complete the questions in each box. Make sure that you show all of your workings



| 11. The table shows the heights of 150 students: |  | 12. <br> Solve the equation $x^{2}=16$ |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Height (cm) | Frequency |  |  |  |
| $120<\mathrm{h} \leq 130$ | 3 |  |  |  |
| $130<h \leq 140$ | 19 |  |  |  |
| $140<h \leq 150$ | 36 |  |  |  |
| $150<h \leq 160$ | 57 |  |  |  |
| $160<h \leq 170$ | 22 |  |  |  |
| $170<h \leq 180$ | 11 |  |  |  |
| $180<h \leq 190$ | 2 |  |  |  |
| a) Write the modal class <br> b) Estimate the mean height |  |  |  |  |
| 13. Solve the inequality$5 x+5>25$ |  | 14. The table shows boys and girls info from y8 and 9. |  |  |
|  |  |  | Y8 | Y9 |
|  |  | Boys | 52 | 48 |
|  |  | Girls | 68 | 52 |
|  |  | Find the chosen | babil ndor | a student rl |
| 15. A machine fills 600 bottles in 4 minutes. How long does it take to fill 40 bottles? Give your answer in seconds |  | 16. Tim drives at an average of 60 km per hour for 2 hrs 45 minutes. Work out how many kilometres he drives |  |  |



| WWW |  |
| :--- | :--- |
| EBI 1 |  |
|  |  |
| EBI 2 |  |

