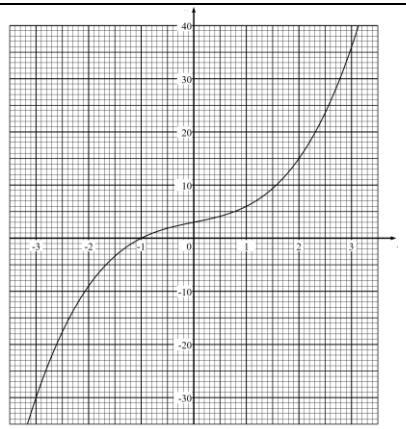
| | | | | | | |
|---|---|---|---|---|---|---|
| **10** | (a) | | −30, 15 | 1 | B1 | for −30 and 15 in the correct place, this may be awarded if plotted correctly on the graph |
| | (b) | | | 2 | M1ft | for at least 6 points plotted correctly (within the circles on the overlay) ft their incorrect table |
| | |  *Correct answer scores full marks (unless from obvious incorrect working)* | Correct graph | | A1 | for correct curve between $x = -3$ and $x = 3$ (clear intention to go through all the points and which must be curved)<br><br>Ignore to the left of $x = -3$ and to the right of $x = 3$<br><br>**Note**: If a fully correct graph is shown, but a blank table is shown in (a), then award the mark for (a) |
| | | | | | | **Total 3 marks** |

| | | | | |
|---|---|---|---|---|
| **11** | eg $\pi \times 16^2 \times \frac{140}{360}$ oe eg $256\pi \times \frac{7}{18}$ | | 2 | M1 allow use of 3.14… or $\frac{22}{7}$ for $\pi$<br>$\frac{140}{360}$ may be seen as an equivalent fraction or decimal eg $\frac{7}{18}$ or $0.3\dot{8}$ 0.388(8…) or 0.389 |
| | *Correct answer scores full marks (unless from obvious incorrect working)* | 313 | | A1 accept 311.8 – 313 |
| | | | | **Total 2 marks** |