| | | | | | |
|---|---|---|---|---|---|
| **3** | <table><tr><td>***x***</td><td>−2</td><td>−1</td><td>0</td><td>1</td><td>2</td><td>3</td></tr><tr><td>***y***</td><td>15</td><td>11</td><td>7</td><td>3</td><td>−1</td><td>−5</td></tr></table><br>(−2, 15) (−1, 11) (0, 7) (1, 3) (2, −1) (3, −5) | Correct line between<br>$x = -2$<br>and<br>$x = 3$ | 3 | B3 | for a correct line between<br>$x = -2$ and $x = 3$<br><br>(B2 for a correct straight line segment through at least 3 of (−2, 15) (−1, 11) (0, 7) (1, 3) (2, −1) (3, −5)<br><br>**or**<br><br>for all of (−2, 15) (−1, 11) (0, 7) (1, 3) (2, −1) (3, −5) plotted but not joined)<br><br>(B1 for at least 2 correct points stated (may be in a table) **or** plotted **or** for a line drawn with a negative gradient through (0, 7) **or** for a line with a gradient of −4) |
| | | | | | **Total 3 marks** |

| | | | | | |
|---|---|---|---|---|---|
| **4** | $\frac{x+10}{2} = 9$ **or** $x = 8$ | | 4 | M1 | (indep) |
| | $\frac{4+7+x+10+y+y}{6} = 11$ oe **or**<br>'66' – 4 – 7 – 10 (= 45) | | | M1 | where $x$ may be a number $7 < x < 10$ |
| | ($y$ = ) (6 × 11 – 4 – 7 – 10 – '8') ÷ 2 | | | M1 | ft their median provided $7 < x < 10$ for a fully correct method |
| | | $x = 8$ and<br>$y = 18.5$ oe | | A1 | |
| | | | | | **Total 4 marks** |