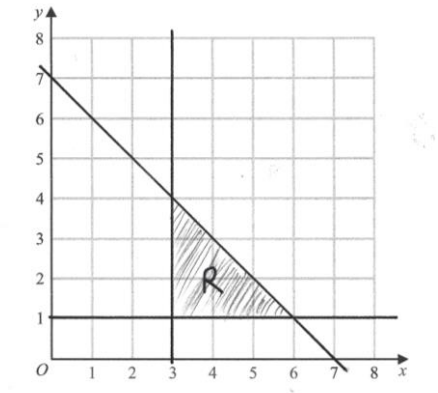
| | | | | | |
|---|---|---|---|---|---|
| **7** | (a)(i)<br><br>(ii)<br><br>(iii) | <br><br>Line length 2 cm + but shaded area must be enclosed for the mark in (b)<br><br>**If unlabelled, award:**<br>$x = 3$ and $y = 3$ B1 B0<br>$y = 1$ and $x = 1$ B0 B1<br>$x = 3$ and $x = 1$ and $y = 1$ B0 B1<br>$x = 3$ and $y = 1$ and $y = 3$ B1 B0<br><br>$x = 3$ and $x = 1$, $y = 1$ and $y = 3$ B0 B0 | | 3 | B1 $x = 3$ drawn<br><br>B1 $y = 1$ drawn<br><br>B1 $x + y = 7$ drawn<br><br>Allow dashed lines or solid lines for graphs of minimum length 2 squares condone lack of labels if unambiguous |
| | (b) | | | 1 | B1 correct region shaded – shaded in or out – labelled **R** or clear intention to be the required region (ft only for one vertical line (not $x = 0$), one horizontal line (not $y = 0$) and one line with a negative gradient eg $x = 1$, $y = 3$ and $x + y = 7$) |
| | | | | | **Total 4 marks** |