Question	Working	Answer	Mark	Notes
12 (a)		3, 4	1	B1
(b)		see graph at end of mark scheme	3	B3 for correct region identified If not B3 then award B2 for $x + y = 4$ drawn (with no additional lines drawn) **and** a region identified that satisfies at least 3 of the 5 given inequalities If not B2 then award B1 for line $x + y = 4$ drawn NB. May shade wanted or unwanted regions; lines may be solid or dashed
13 a (i)		54	1	B1 cao
(ii)		angle at centre is twice angle at circumference	1	B1 dep on B1 in (a)(i) accept alternative reasons eg. angle at circumference is half the angle at the centre
b (i)		27	1	B1 ft from (a)(i) for $\frac{"54"}{2}$
(ii)		alternate segment theorem	1	B1 dep on B1 in (b)(i) accept alternative reason angle between tangent and radius is 90^o If answer for (b)(i) is ft from (a)(i) then reason must be angle between tangent and radius is 90^o