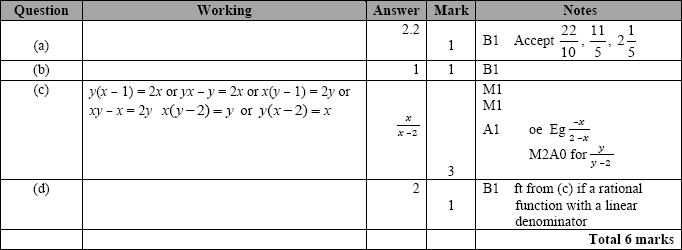


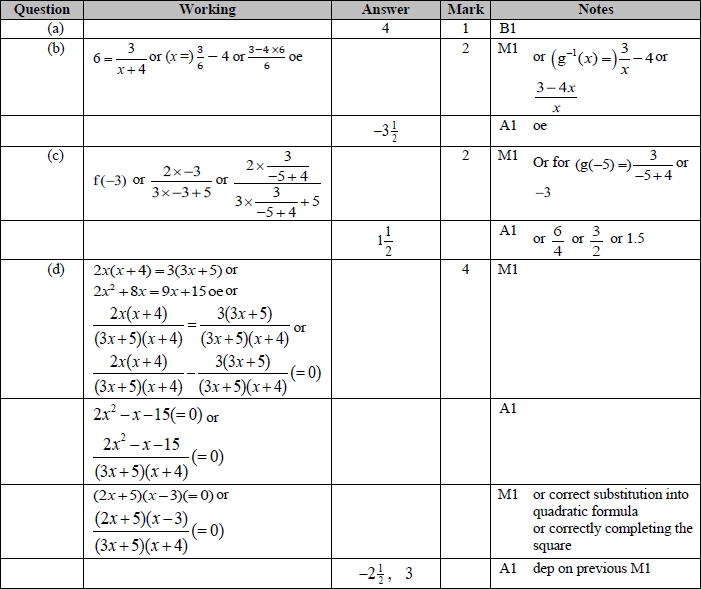
**Marking Scheme**

**Functions**

**Q1.**

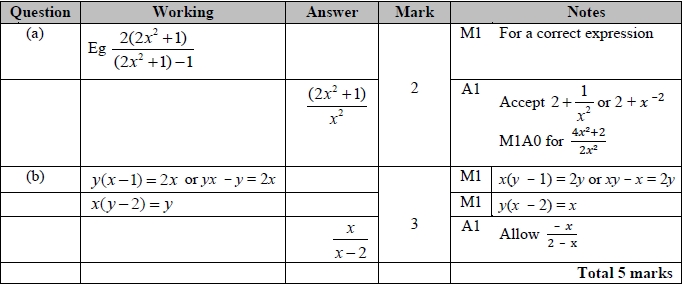


**Q2.**

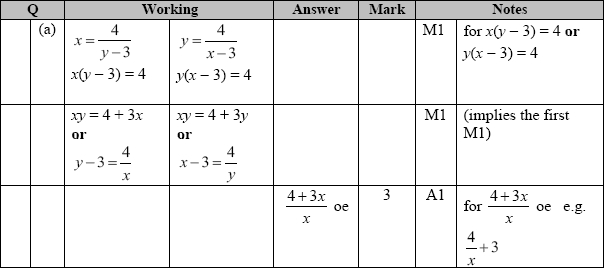


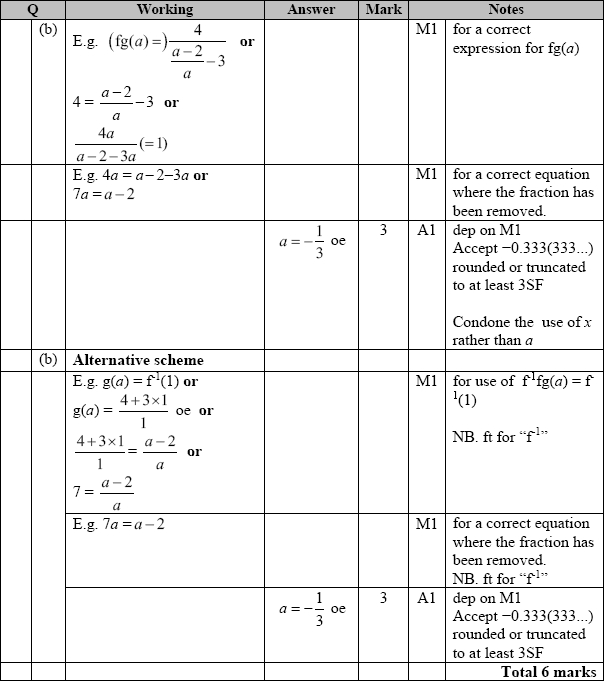


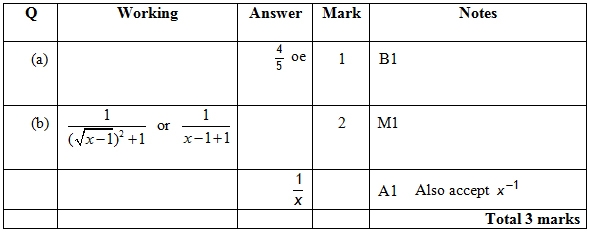
**Q3.**



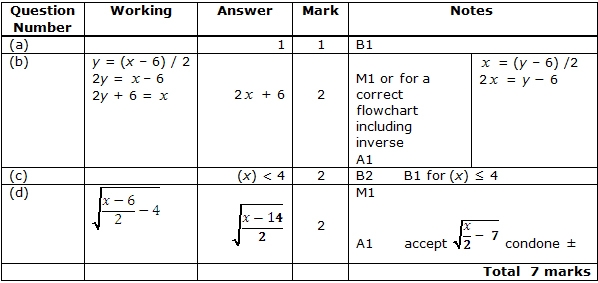
**Q4.**

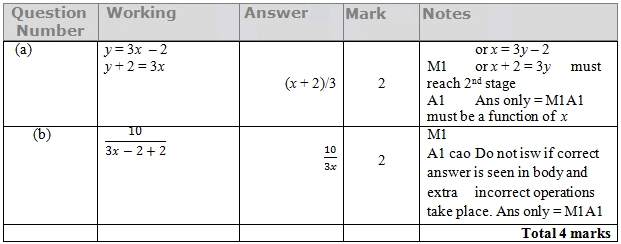




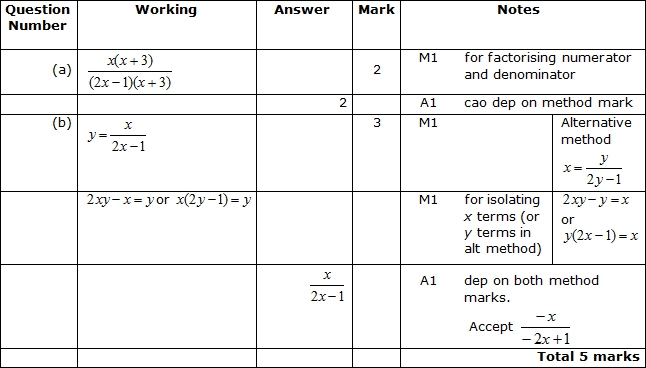
**Q5.**

**Q6.**

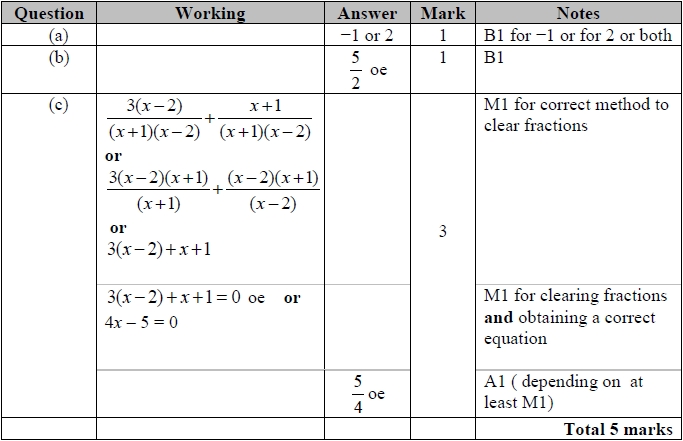


**Q7.**

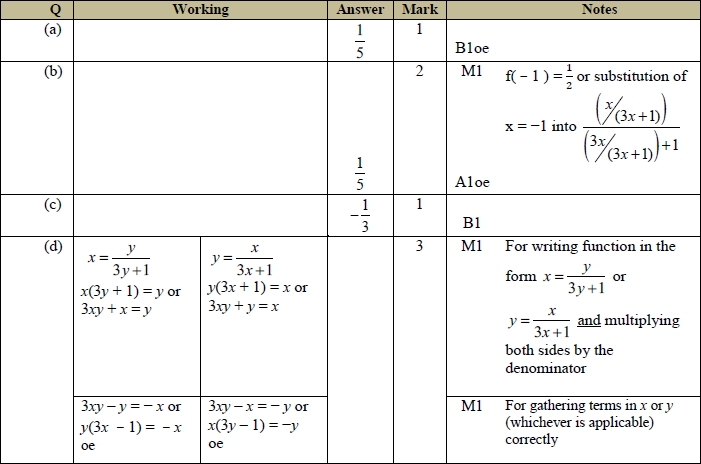
**Q8.**

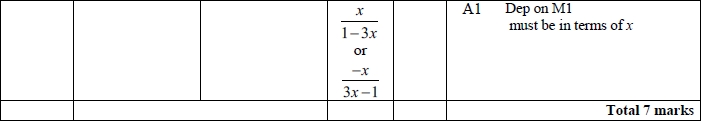


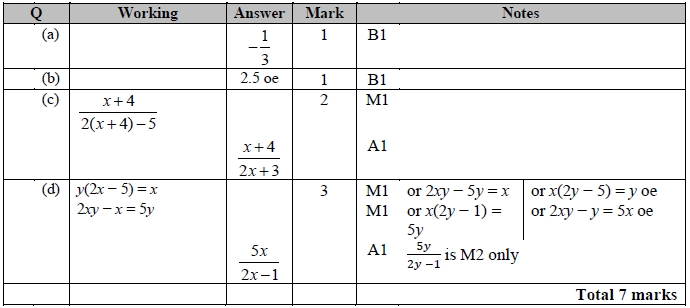
**Q9.**



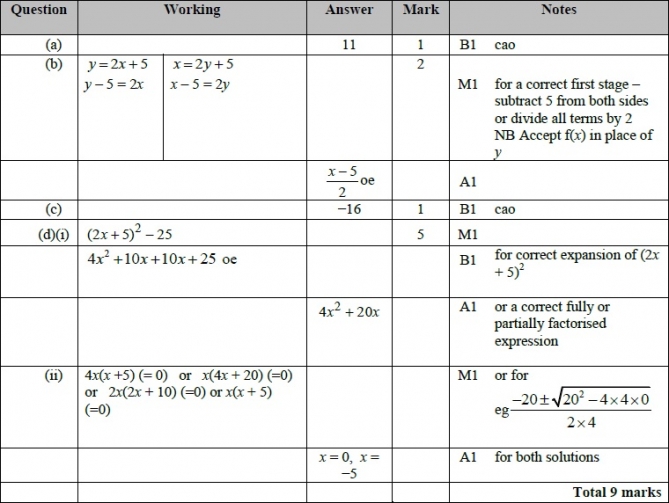
**Q10.**



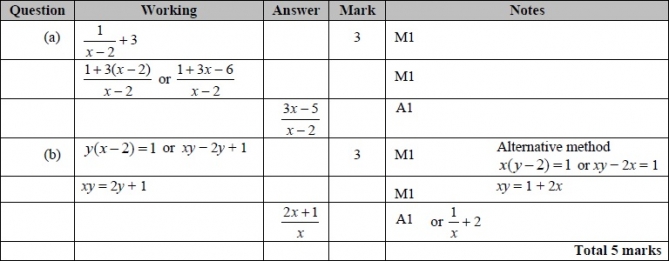


**Q11.**

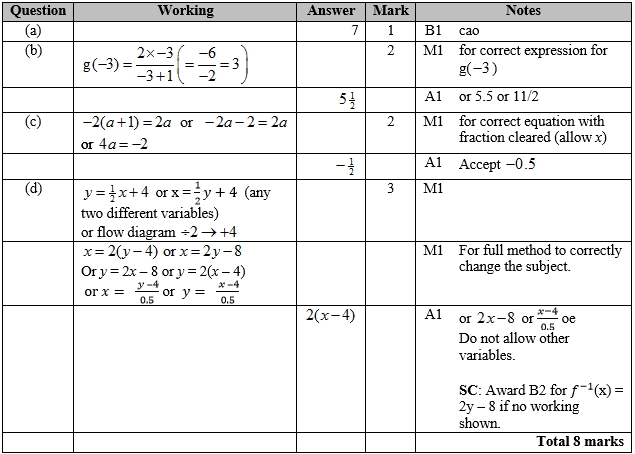
**Q12.**



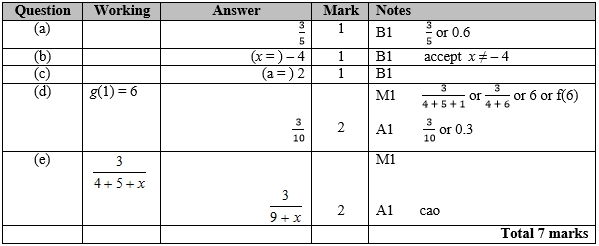
**Q13.**



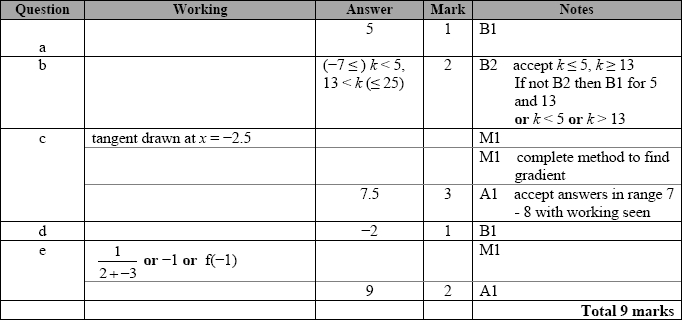
**Q14.**

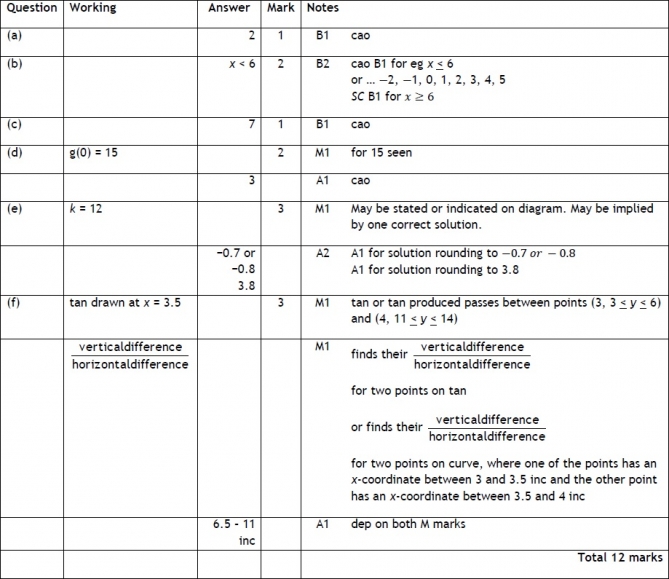


**Q15.**



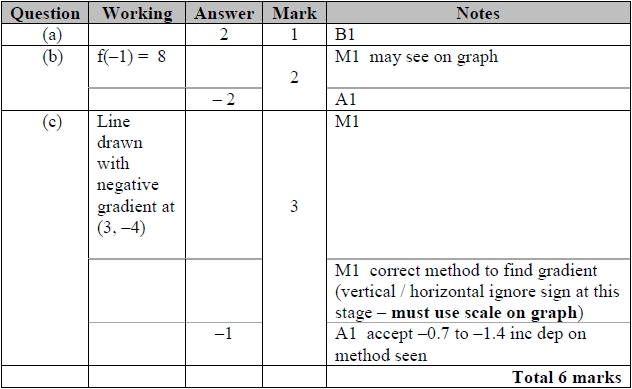
**Q16.**



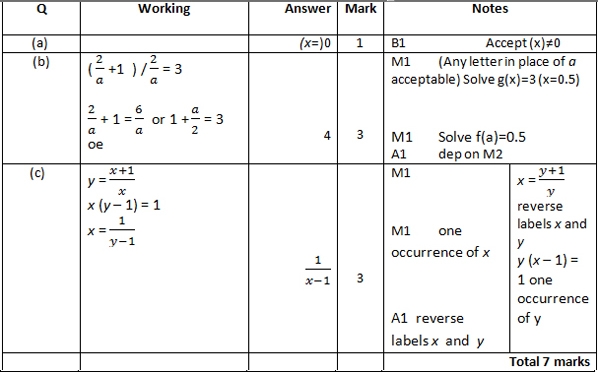
**Q17.**

**Q18.**

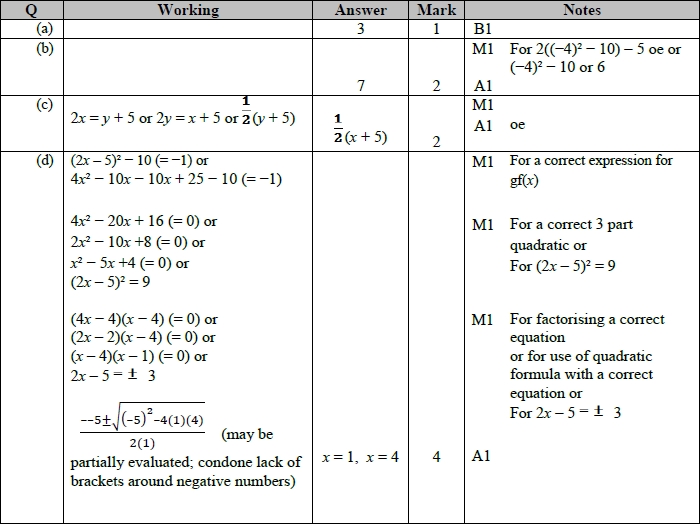
Apart from c, where the mark scheme states otherwise, the correct answer, unless clearly obtained by an incorrect method, should be taken to imply a correct method.

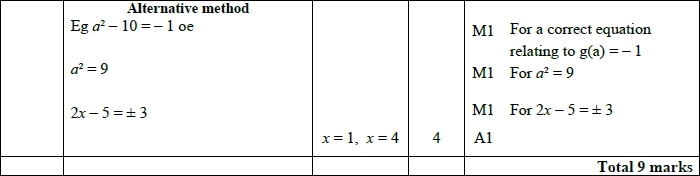


**Q19.**

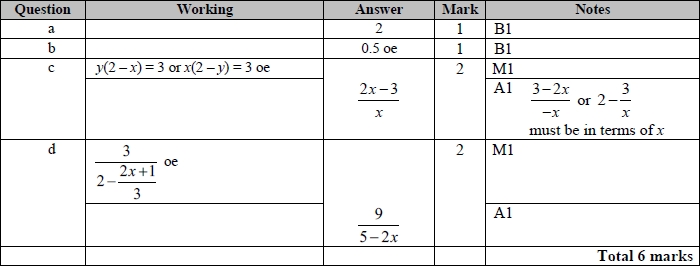


**Q20.**





**Q21.**



**Q22.**

