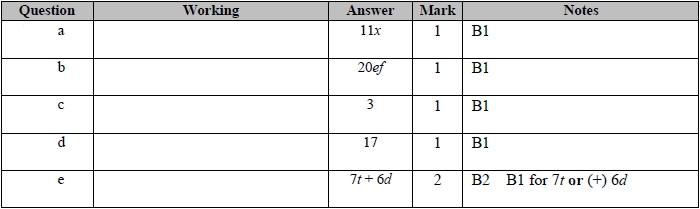


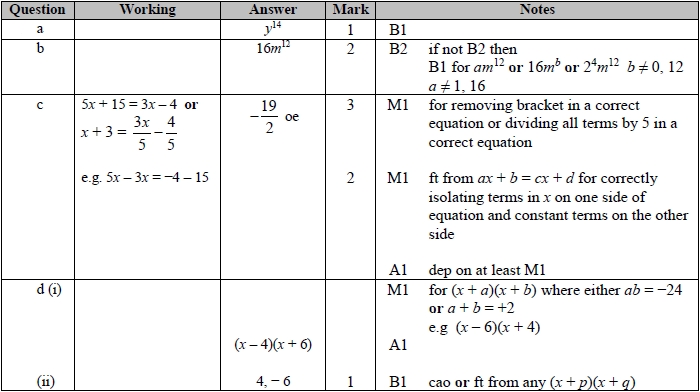
**Marking Scheme**

**Expressions, Equations and Formulae**

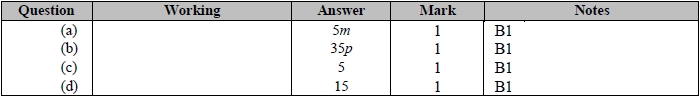
**Q1.**



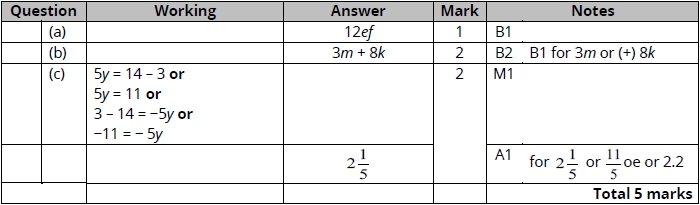
**Q2.**



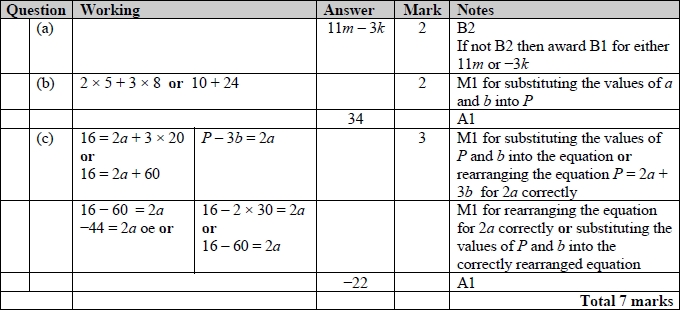
**Q3.**



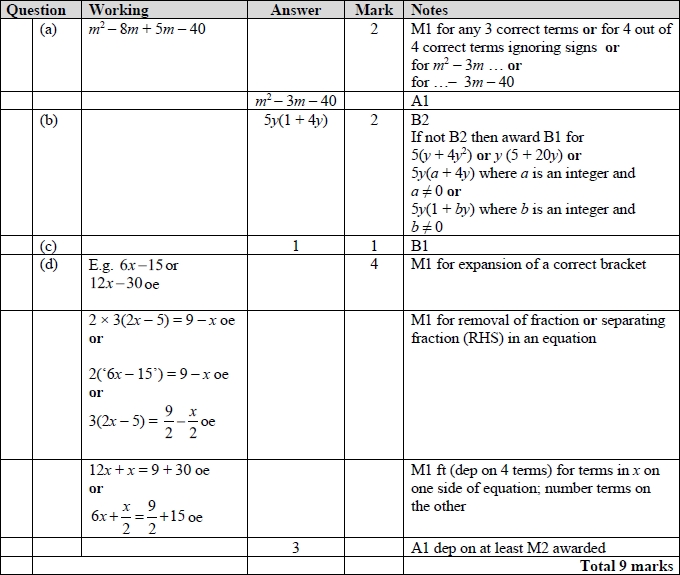
**Q4.**



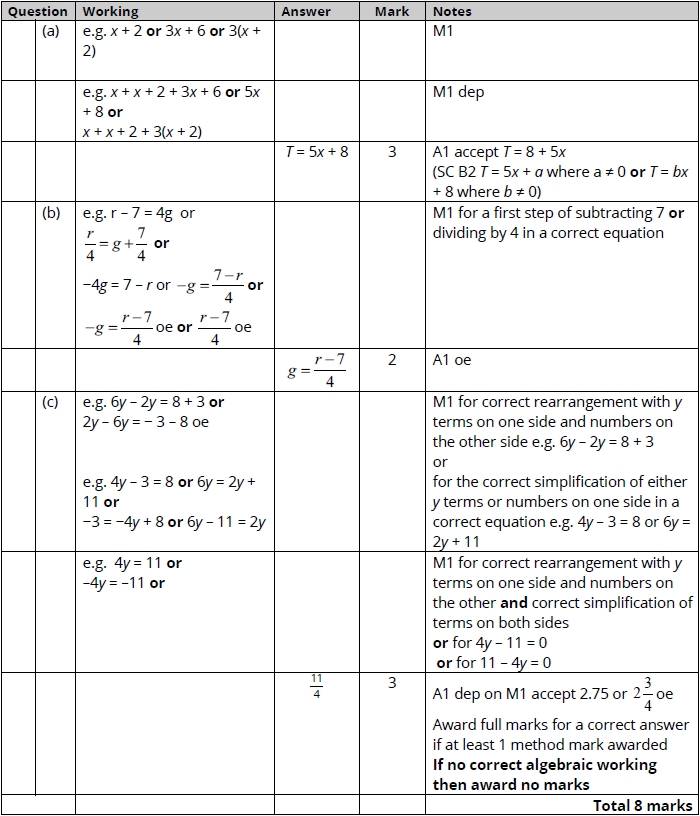
**Q5.**



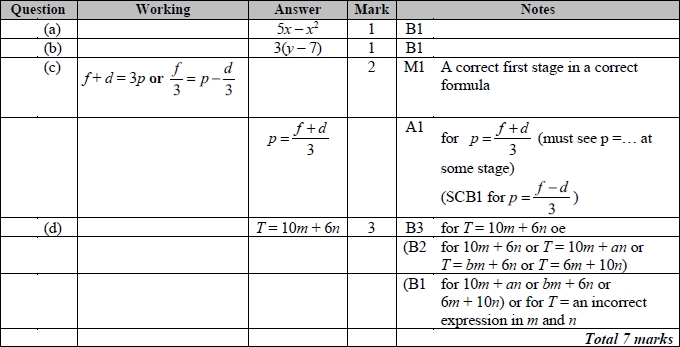
**Q6.**



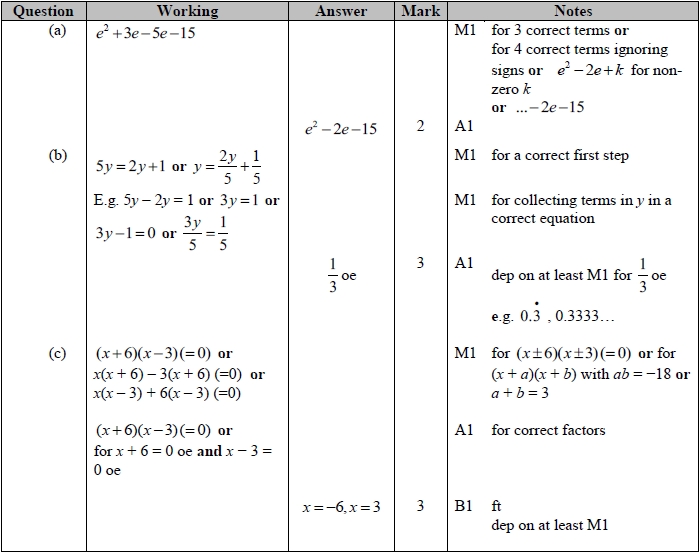
**Q7.**



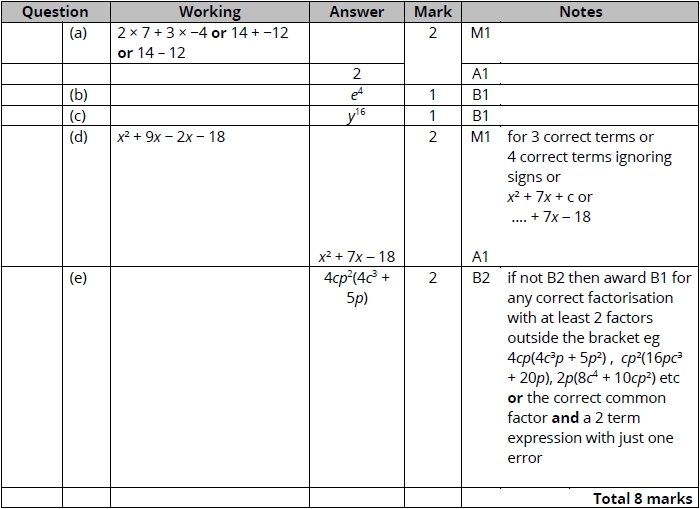
**Q8.**



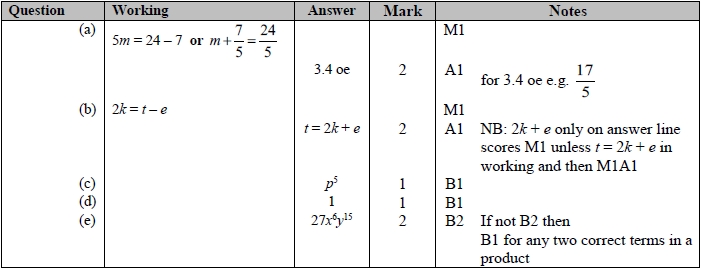
**Q9.**



**Q10.**



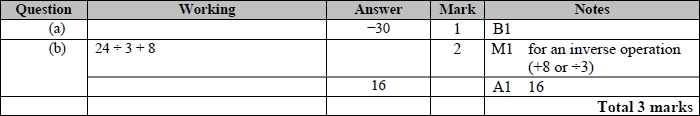
**Q11.**



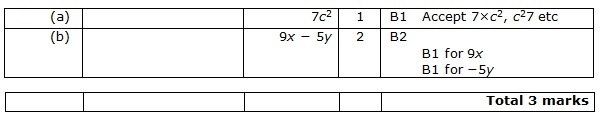
**Q12.**



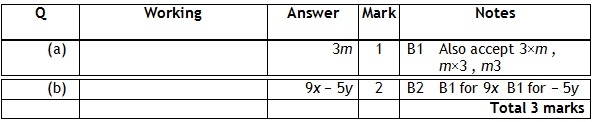
**Q13.**



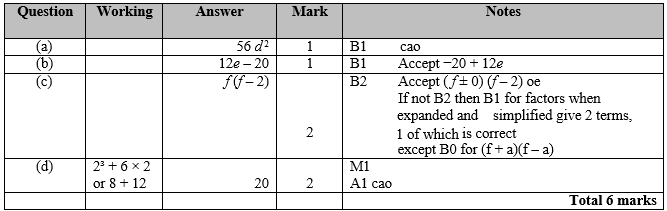
**Q14.**



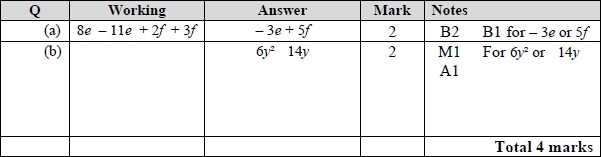
**Q15.**



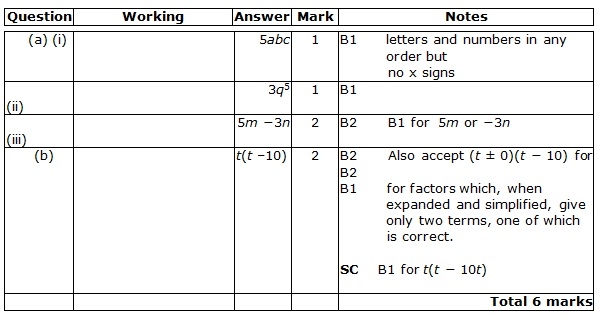
**Q16.**



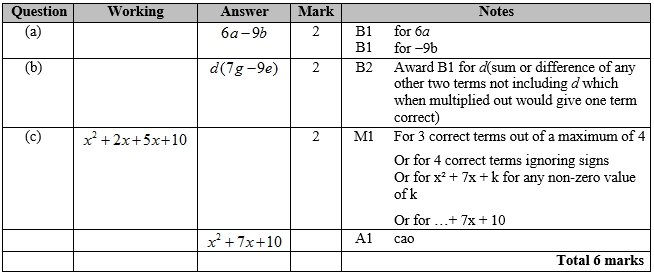
**Q17.**



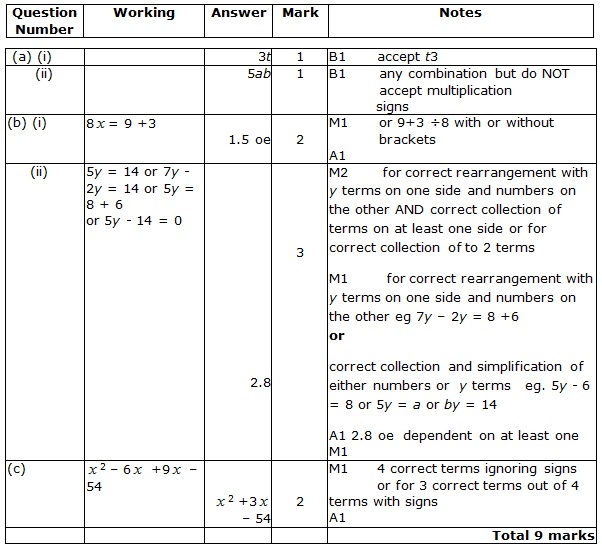
**Q18.**



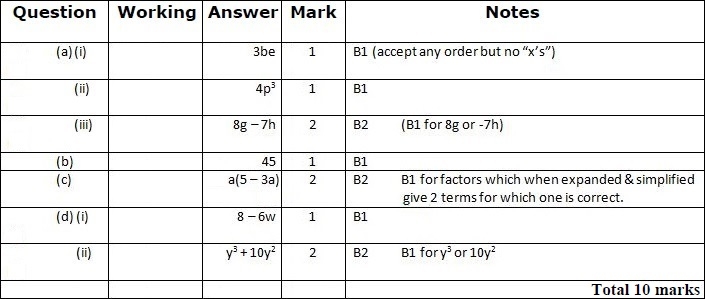
**Q19.**



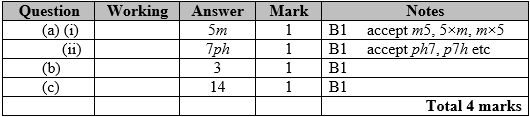
**Q20.**



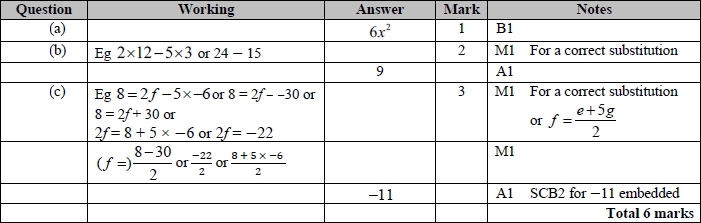
**Q21.**



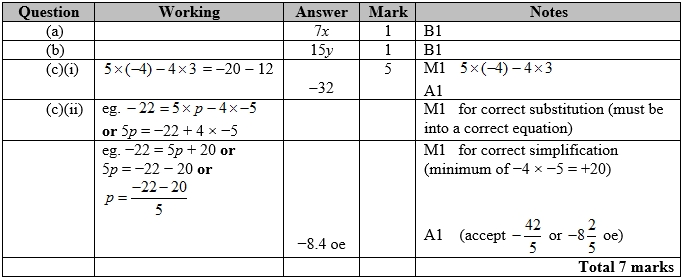
**Q22.**



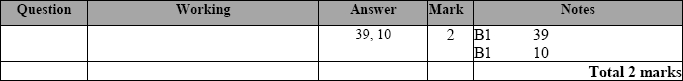
**Q23.**



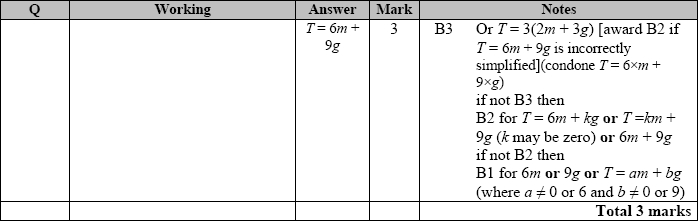
**Q24.**



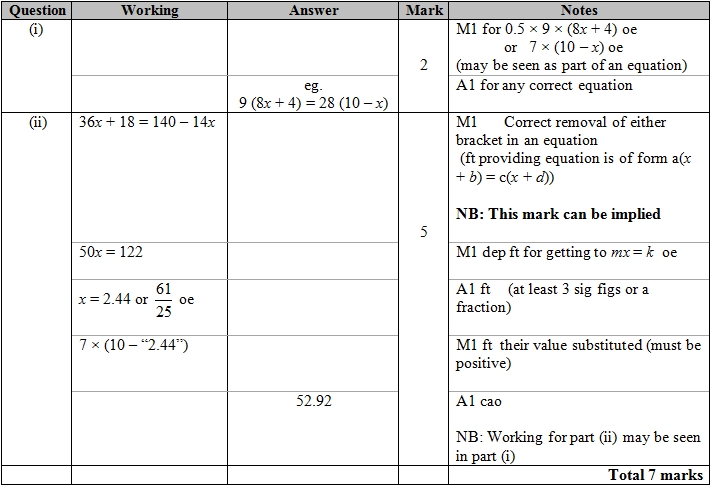
**Q25.**



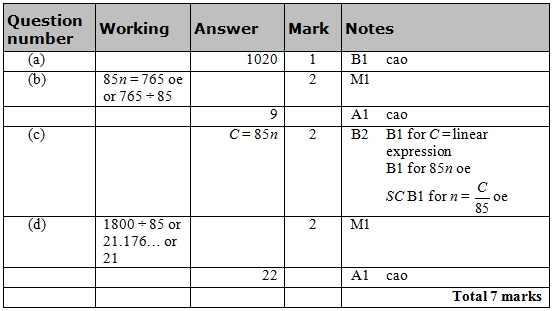
**Q26.**



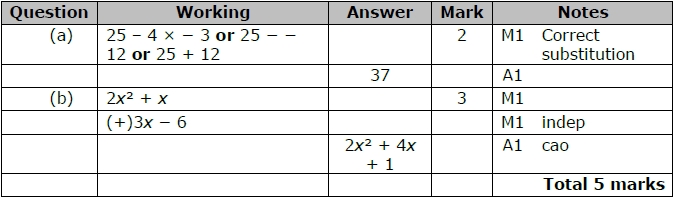
**Q27.**



**Q28.**

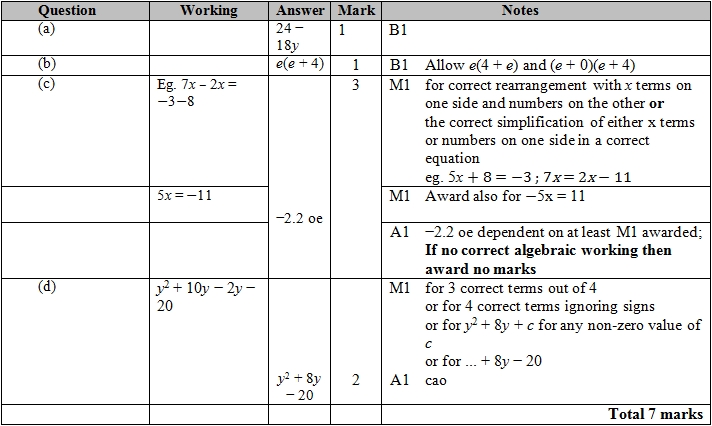


**Q29.**

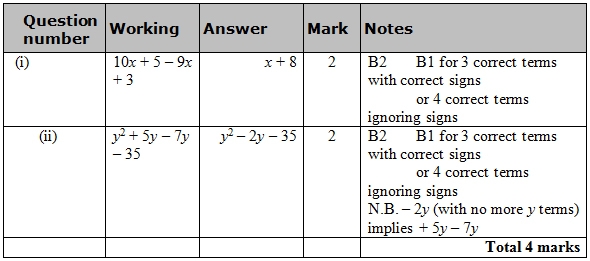


**Q30.**

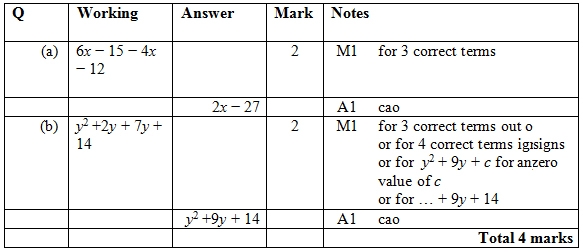
Apart from question 18c where the mark scheme states otherwise, the correct answer, unless clearly obtained by an incorrect method, should be taken to imply a correct method.



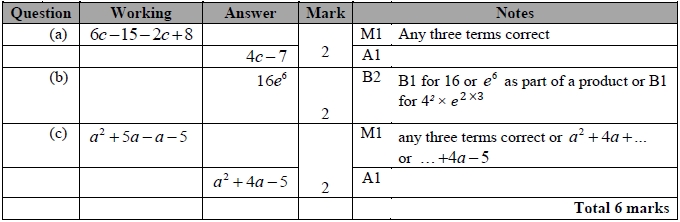
**Q31.**



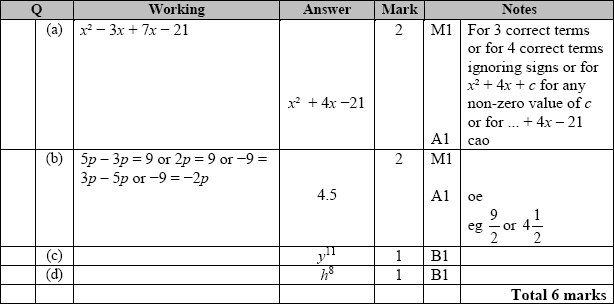
**Q32.**



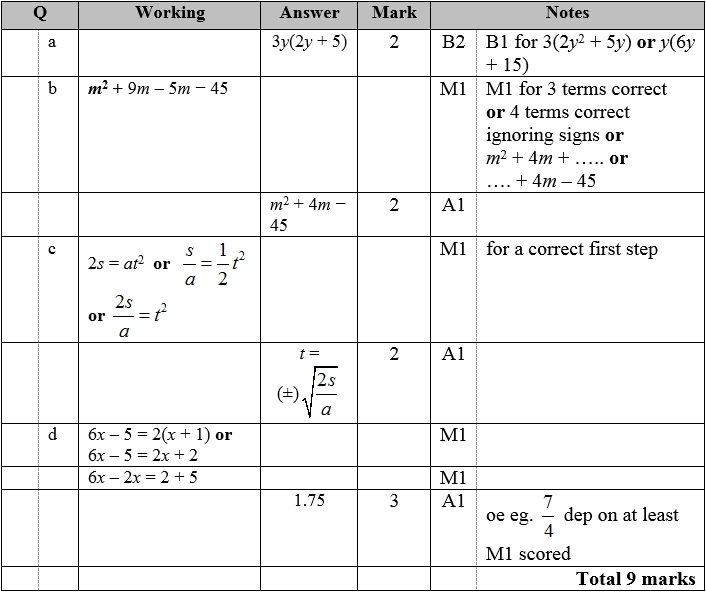
**Q33.**



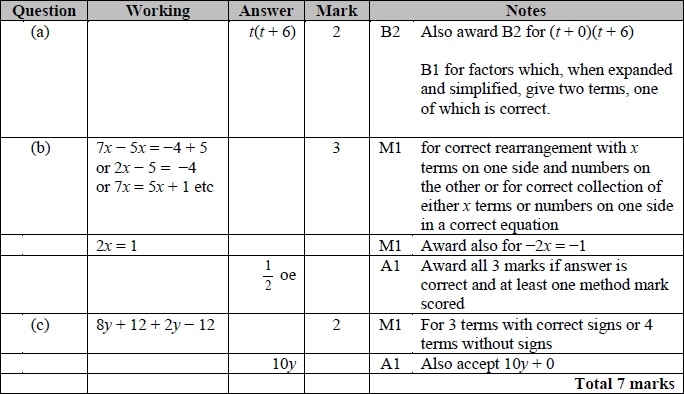
**Q34.**



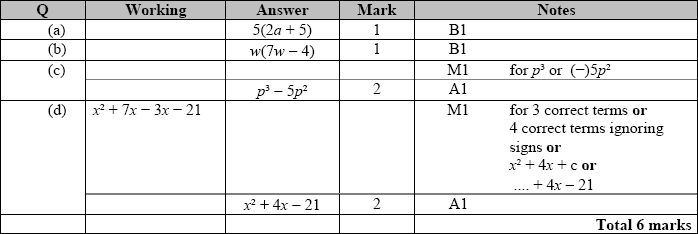
**Q35.**



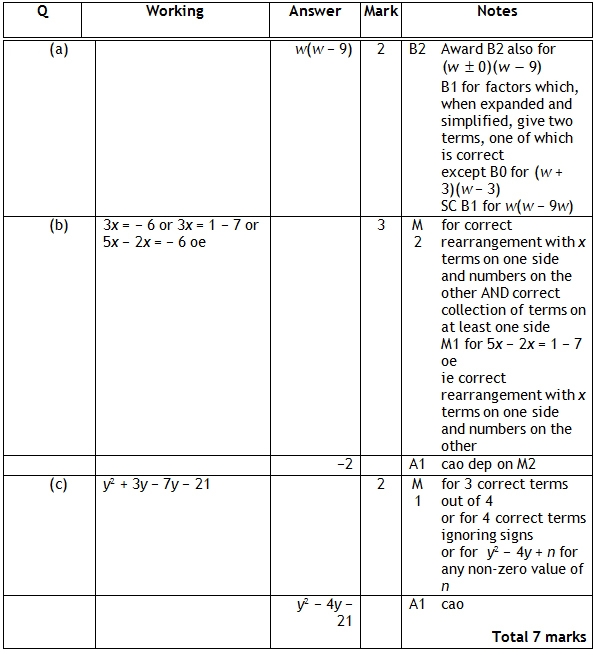
**Q36.**



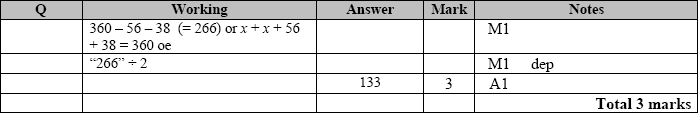
**Q37.**



**Q38.**



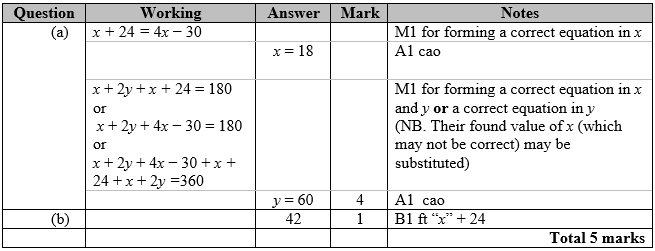
**Q39.**



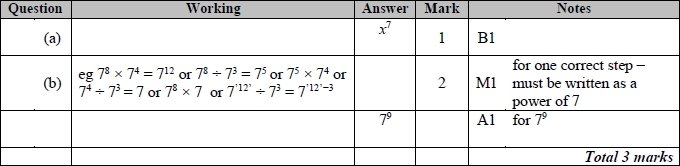
**Q40.**



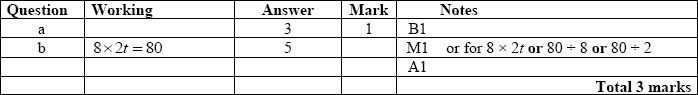
**Q41.**



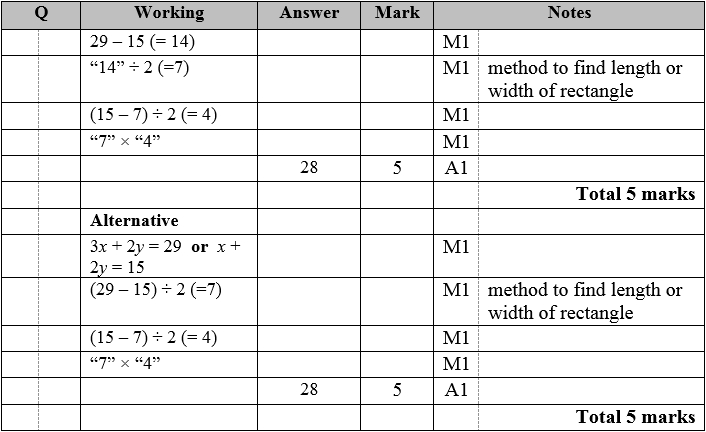
**Q42.**



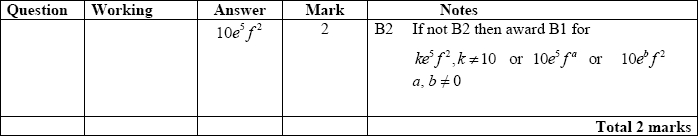
**Q43.**



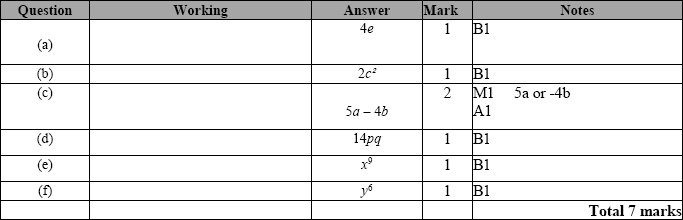
**Q44.**



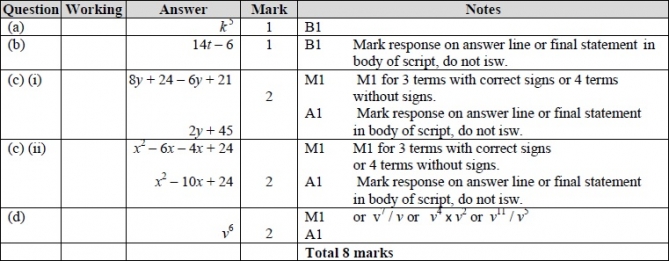
**Q45.**



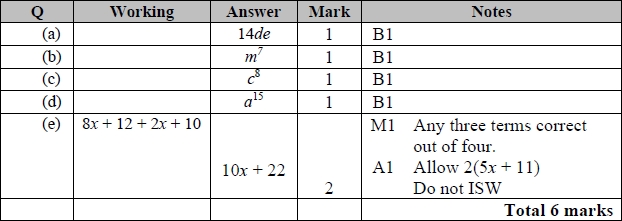
**Q46.**



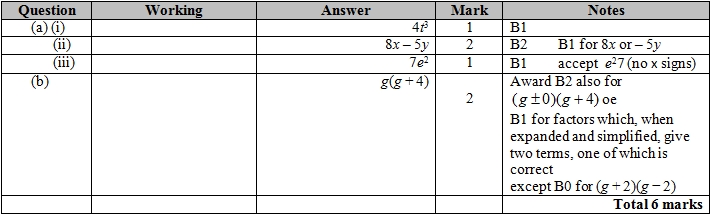
**Q47.**



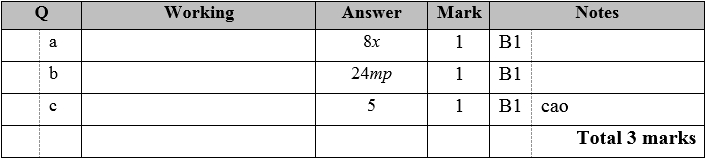
**Q48.**



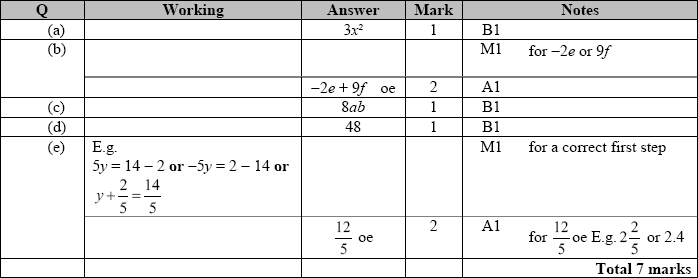
**Q49.**



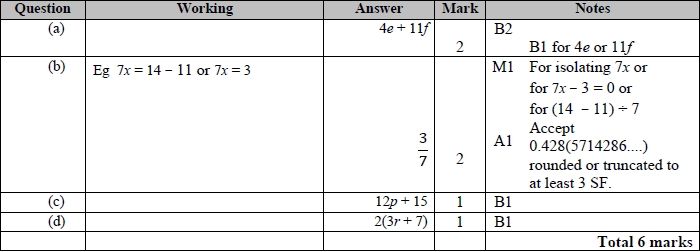
**Q50.**



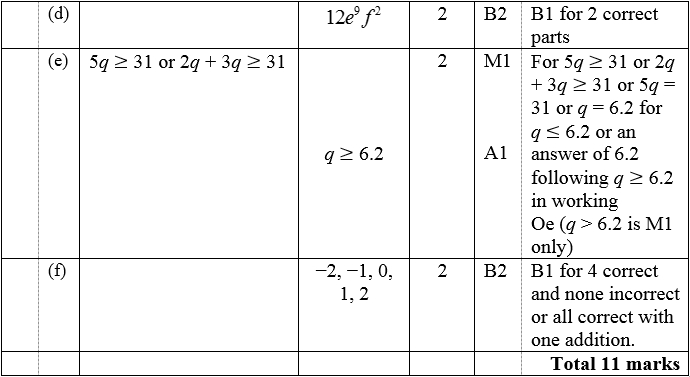
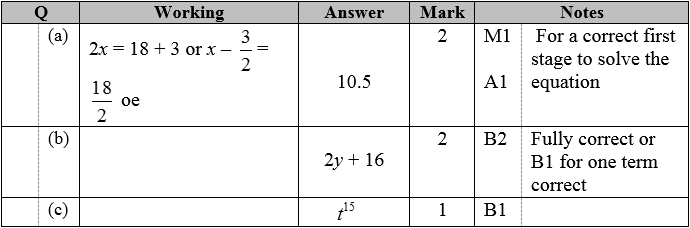
**Q51.**



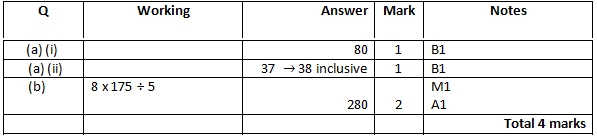
**Q52.**



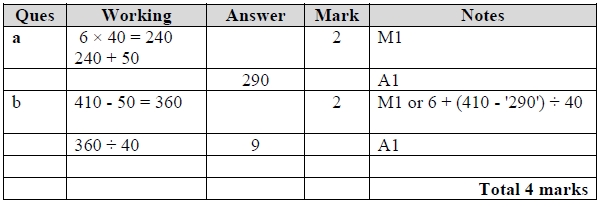
**Q53.**



**Q54.**

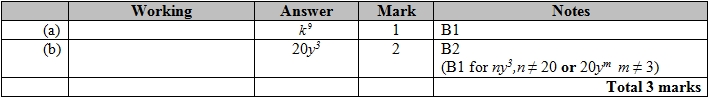


**Q55.**

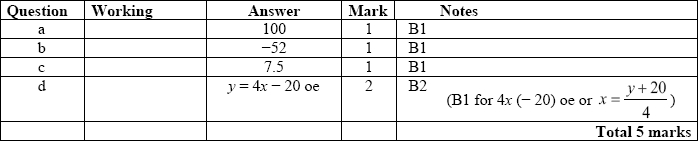


**Q56.**

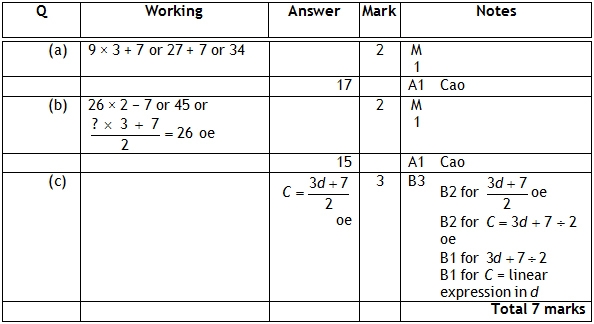
For all questions, the correct answer, unless clearly obtained by an incorrect method, should be taken to imply a correct method.



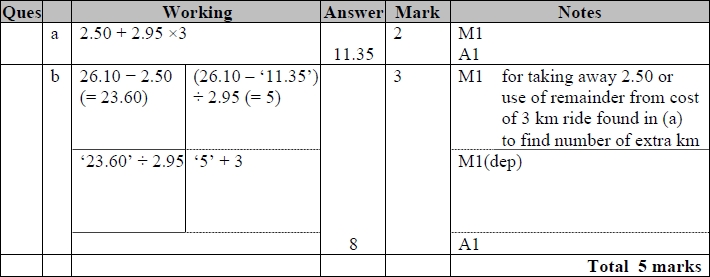
**Q57.**



**Q58.**



**Q59.**



**Q60.**

