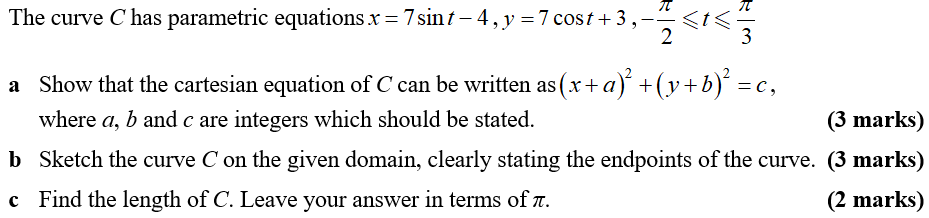
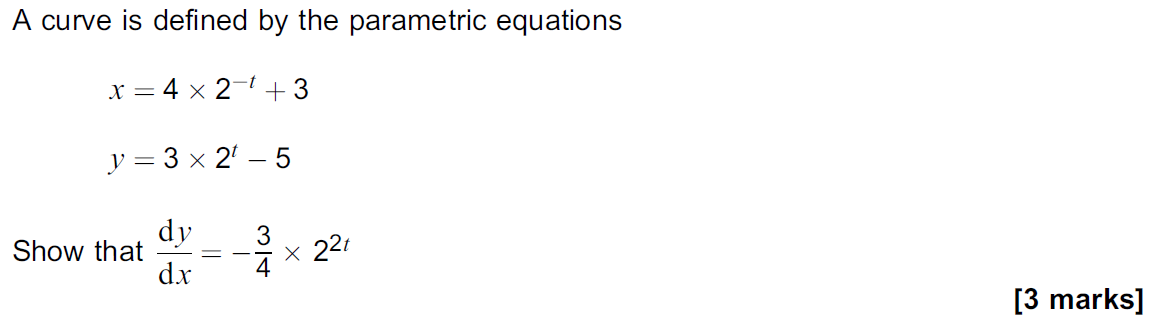
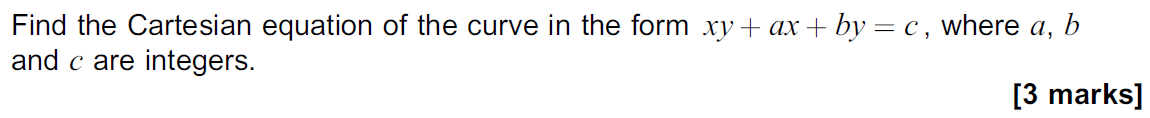
**Interesting Questions**

Qu 1… Edexcel unit tests, Parametric Equations -Qu 3. ([Link to markscheme](#Ans1))



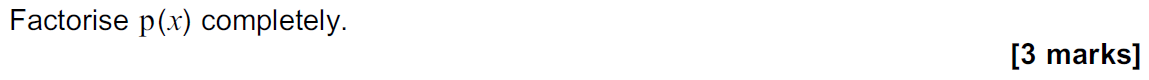
Qu 2… AQA A2 Paper 1, June 2018 -Qu 5. ([Link to markscheme](#Ans2))

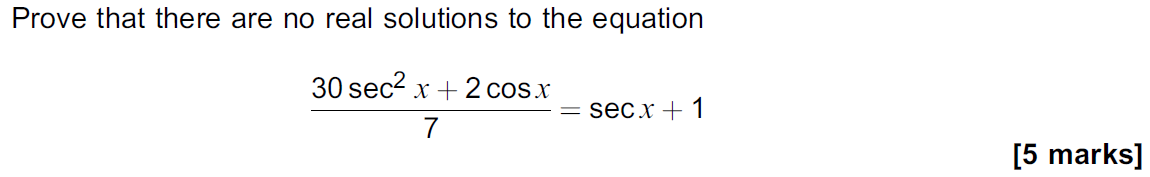




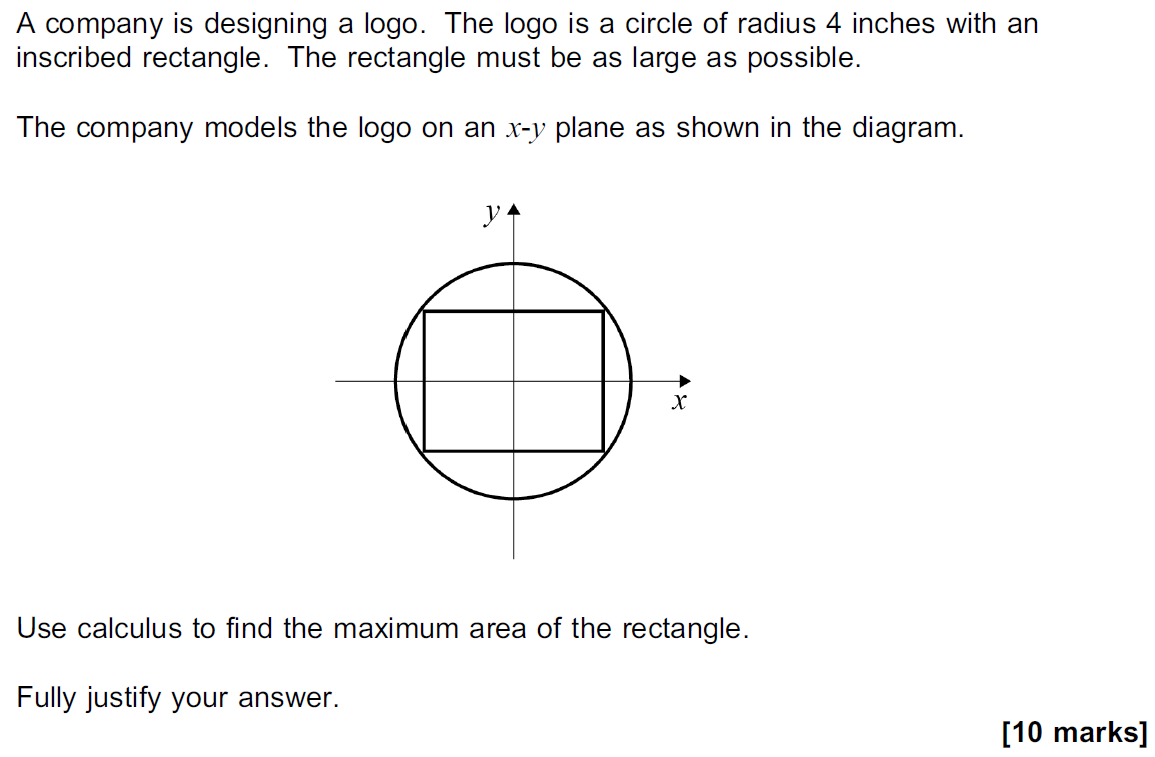
Qu 3… AQA A2 Paper 1, June 2018 – Qu 12. ([Link to markscheme](#Ans3))



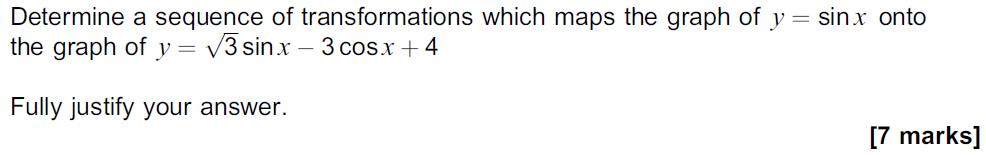


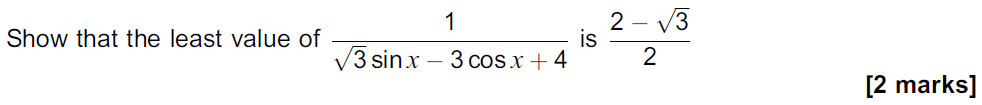


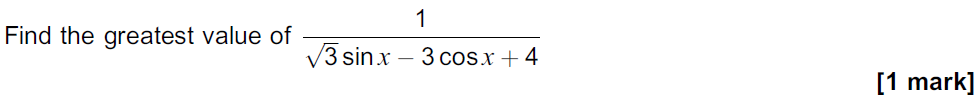
Qu 4… AQA A2 Paper 1, June 2018 – Qu13. ([Link to markscheme](#Qu4))



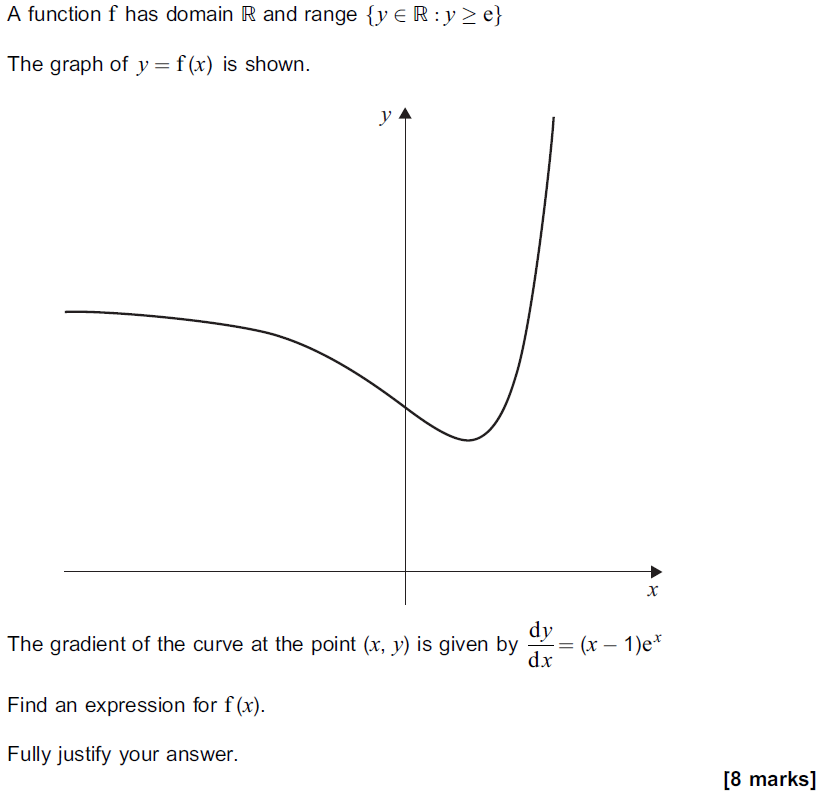
Qu 5… AQA A2 Paper 2, June 2018 -Qu 8. ([Link to markscheme](#Ans5))



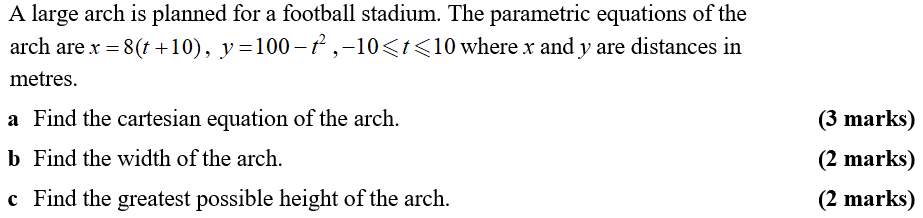




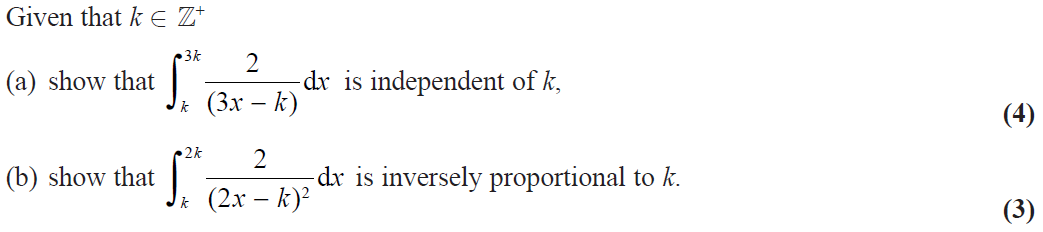
Qu 6… AQA A2 Paper 2, June 2018 - Qu 7. ([Link to markscheme](#Ans6))



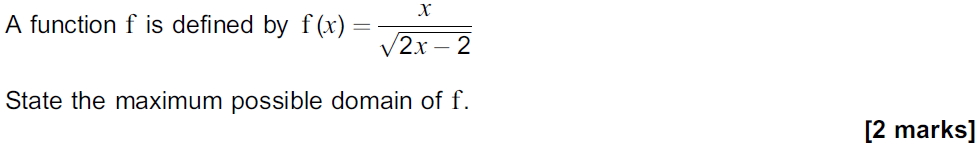
Qu 7… Edexcel unit tests, parametric Equations -Qu 6. ([Link to markscheme](#Ans7))



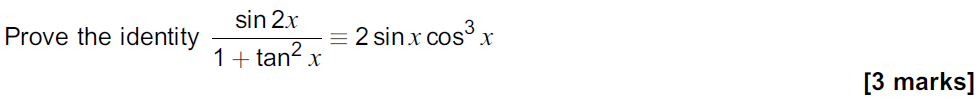
Qu 8… Edexcel Paper 1, June 2018 - Qu7. ([Link to markscheme](#Ans8))



Qu 9… AQA Paper 3, June 2018 – Qu 6. ([Link to markscheme](#Ans9))

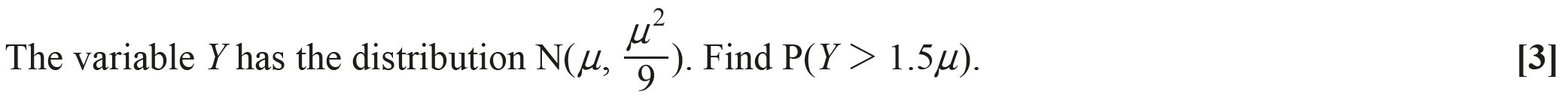
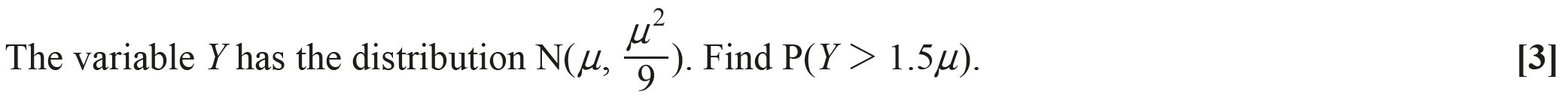


Qu 10… AQA Paper 3, June 2018 – Qu 8. ([Link to markscheme](#Ans10))

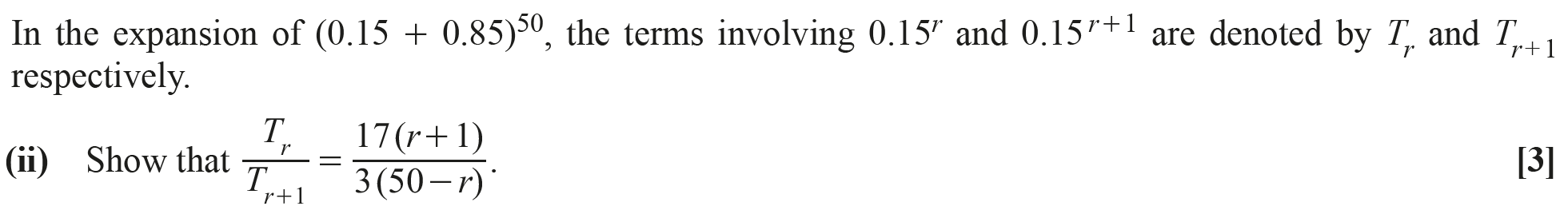




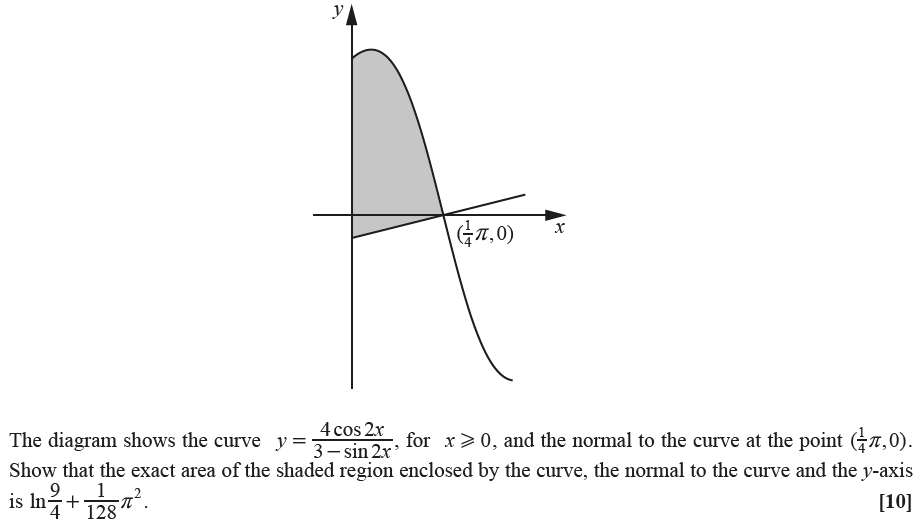
Qu 11… OCR A, Paper 2, June 2018. ([Link to markscheme](#Ans11))



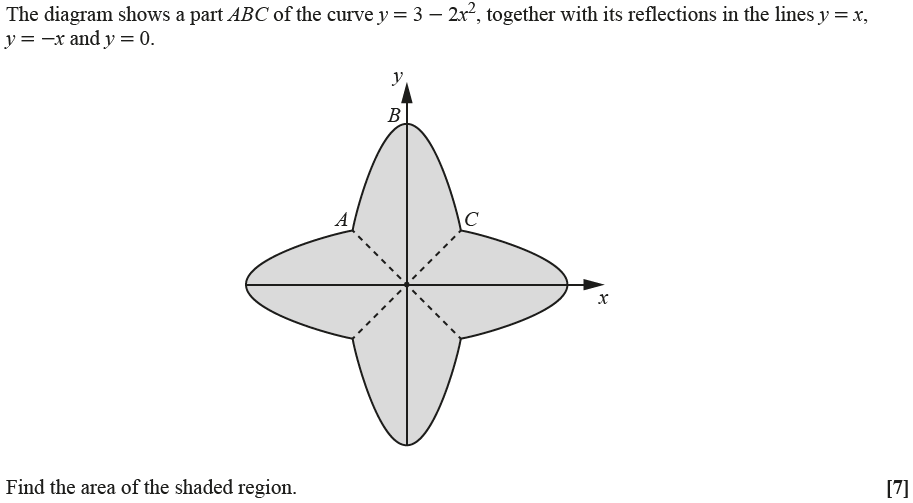
Qu 12… OCR A, Paper 2, June 2018. ([Link to markscheme](#Ans12))



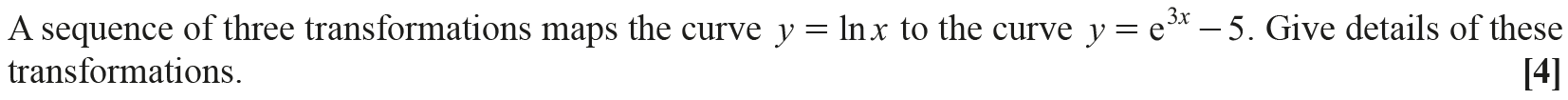
Qu 13… OCR, Paper 1, June 2018. ([Link to markscheme](#Ans13))



Qu 14… OCR, Paper 2, June 2018. ([Link to markscheme](#Ans14))



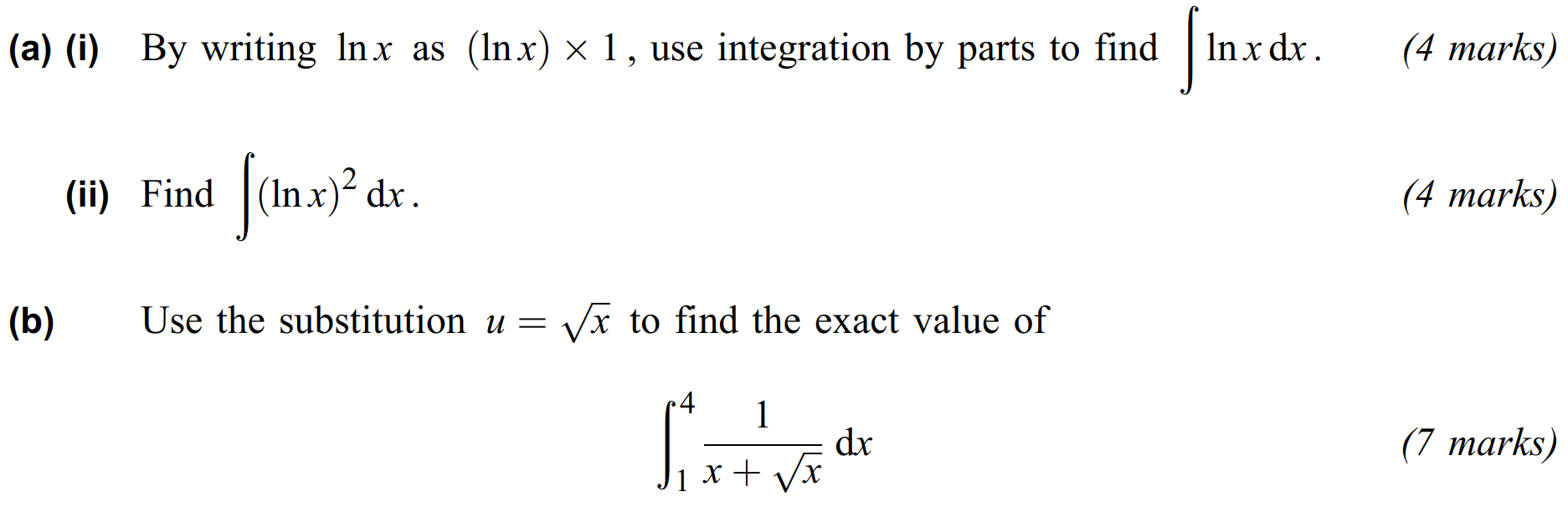
Qu 15… OCR Practice Papers, Set 2, Paper 3 - Qu3. ([Link to markscheme](#Ans15))



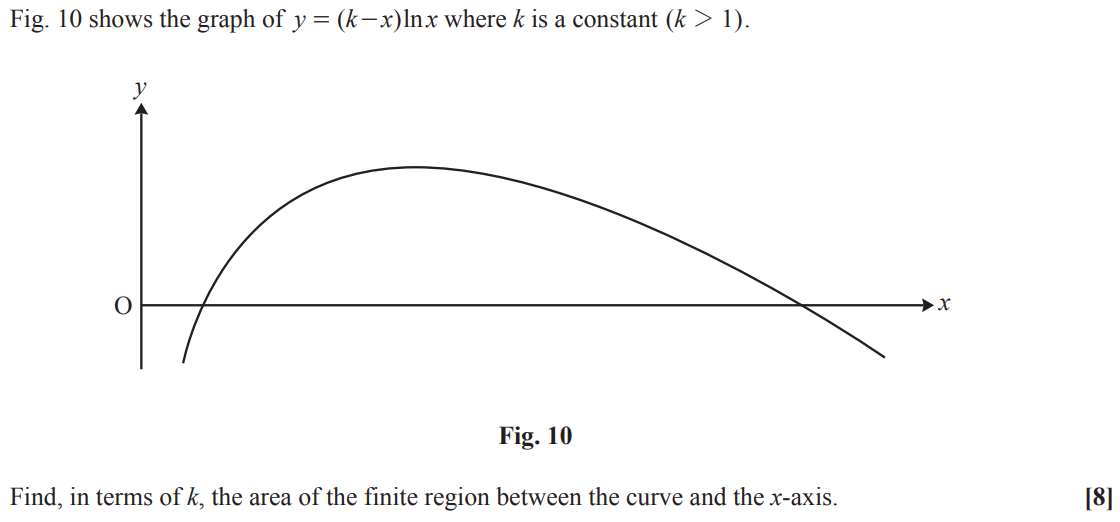
Qu 16… OCR Practice Papers, Set 4, Paper 1. ([Link to markscheme](#Ans16))



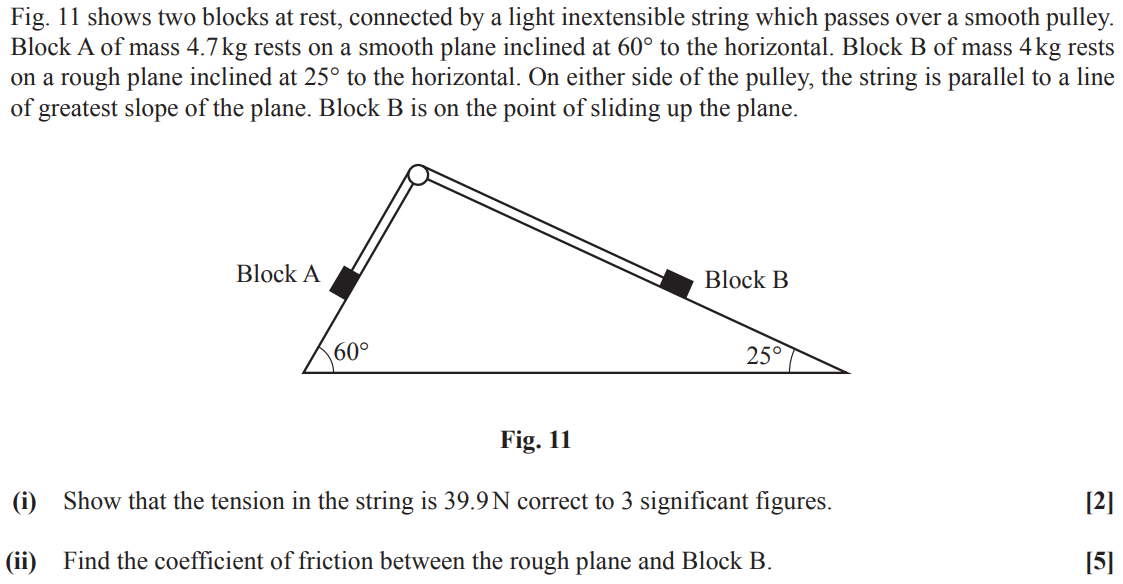
Qu 17… AQA Core 3, June 2013. ([Link to markscheme](#Ans17))



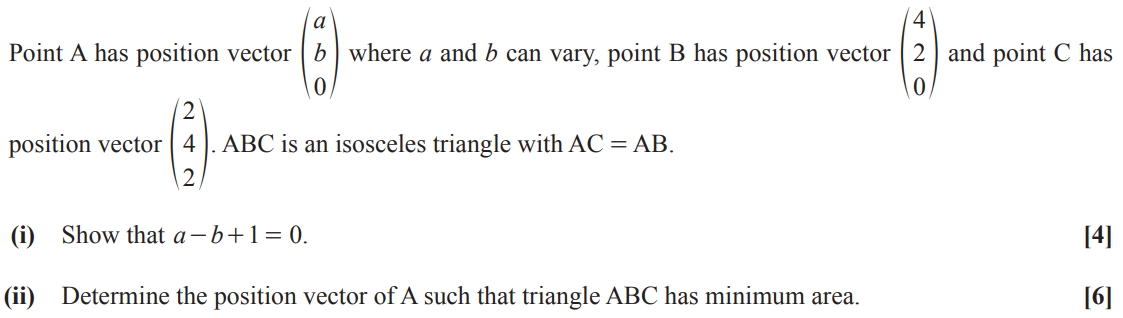
Qu 18… MEI, Paper 1, June 2018 – Qu 10. ([Link to markscheme](#Ans18))



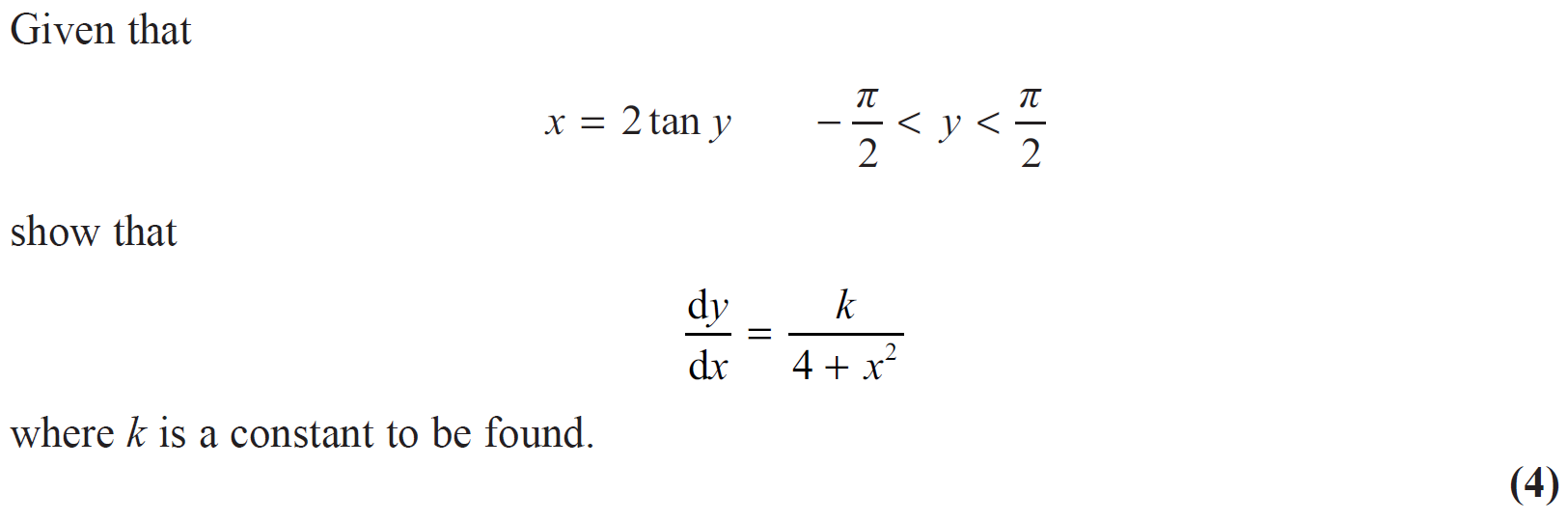
Qu 19… MEI, Paper 1, June 2018 -Qu 11. ([Link to markscheme](#Ans19))



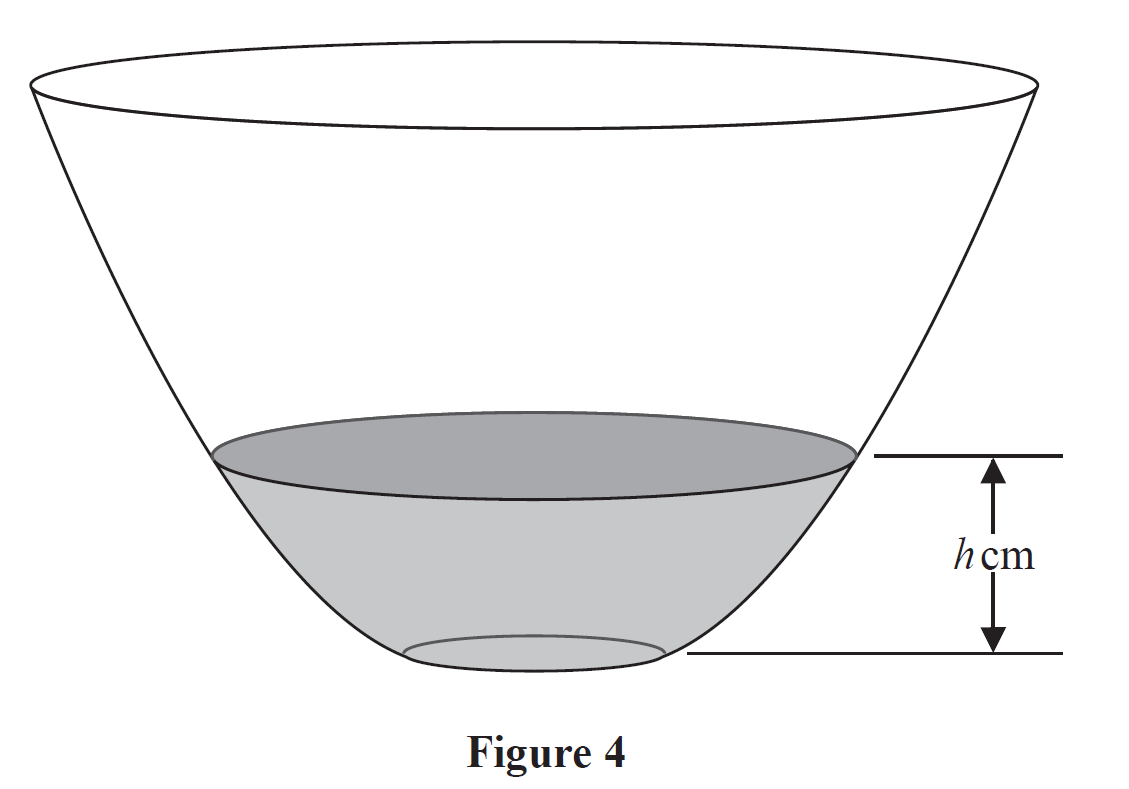
Qu 20… MEI, Paper 3, June 2018 – Qu 10. ([Link to markscheme](#Ans20))

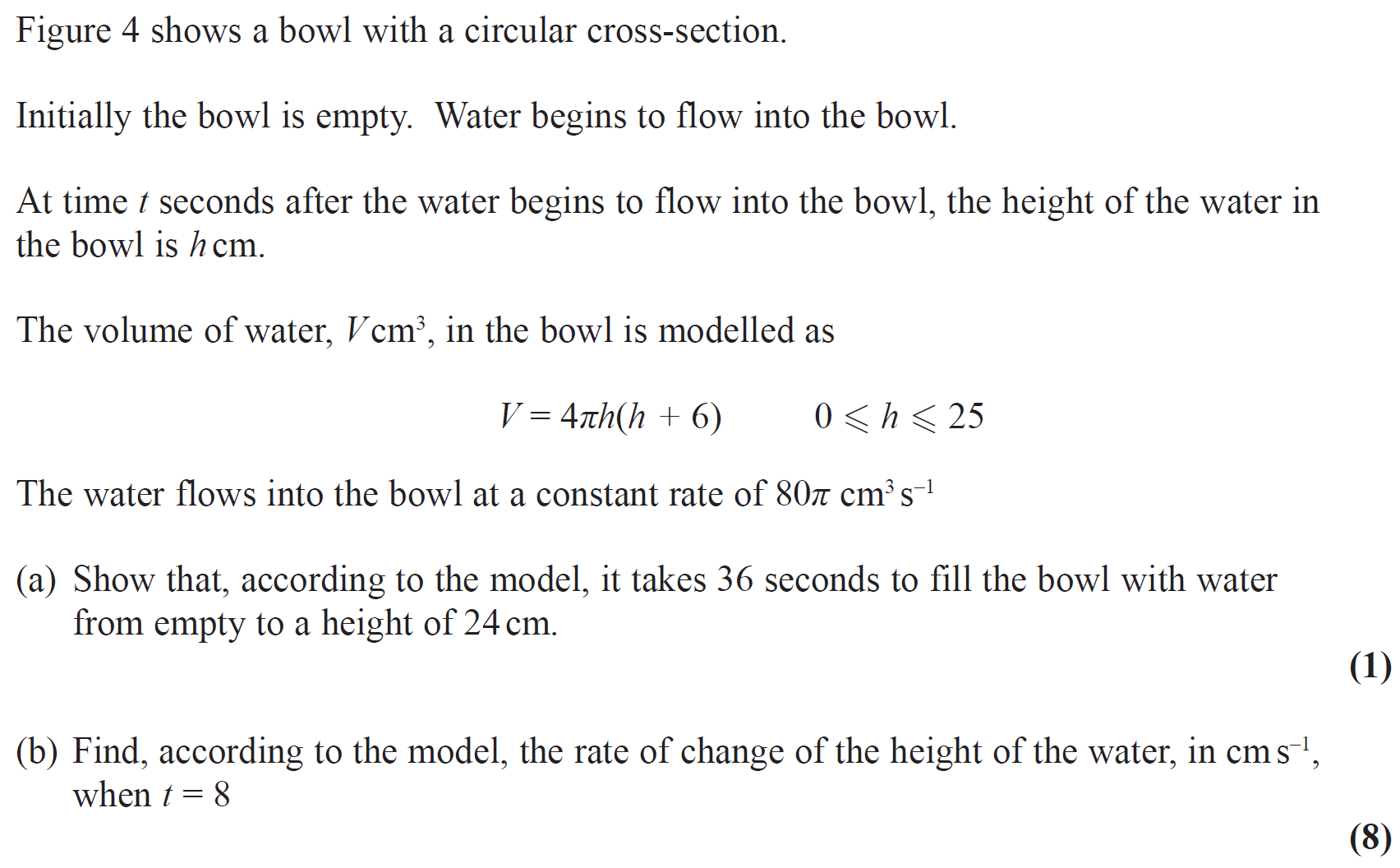


Qu 21… Edexcel Mock Papers, Paper 1 – Qu 11. ([Link to markscheme](#Ans21))

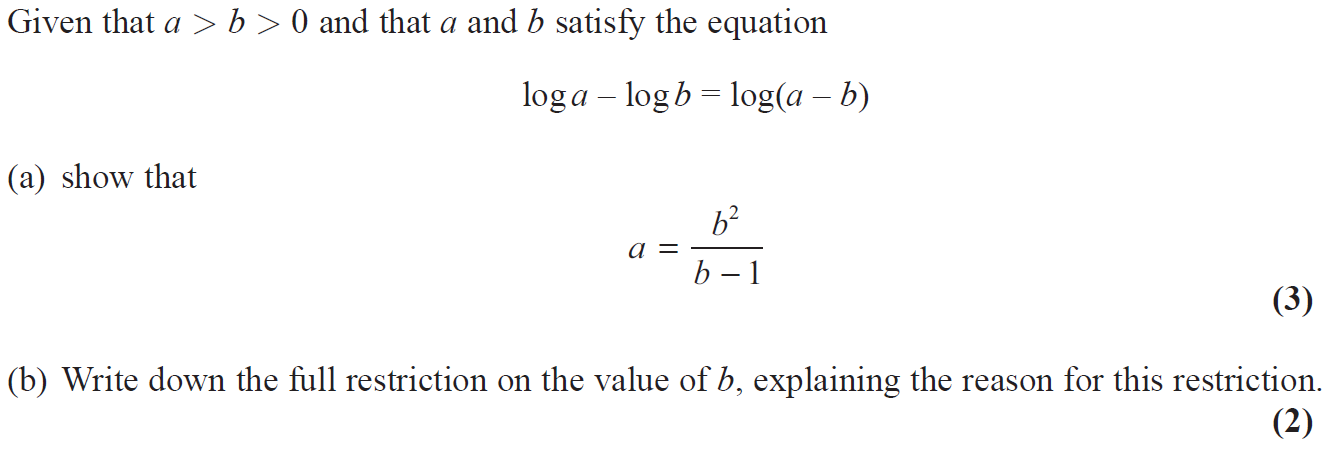


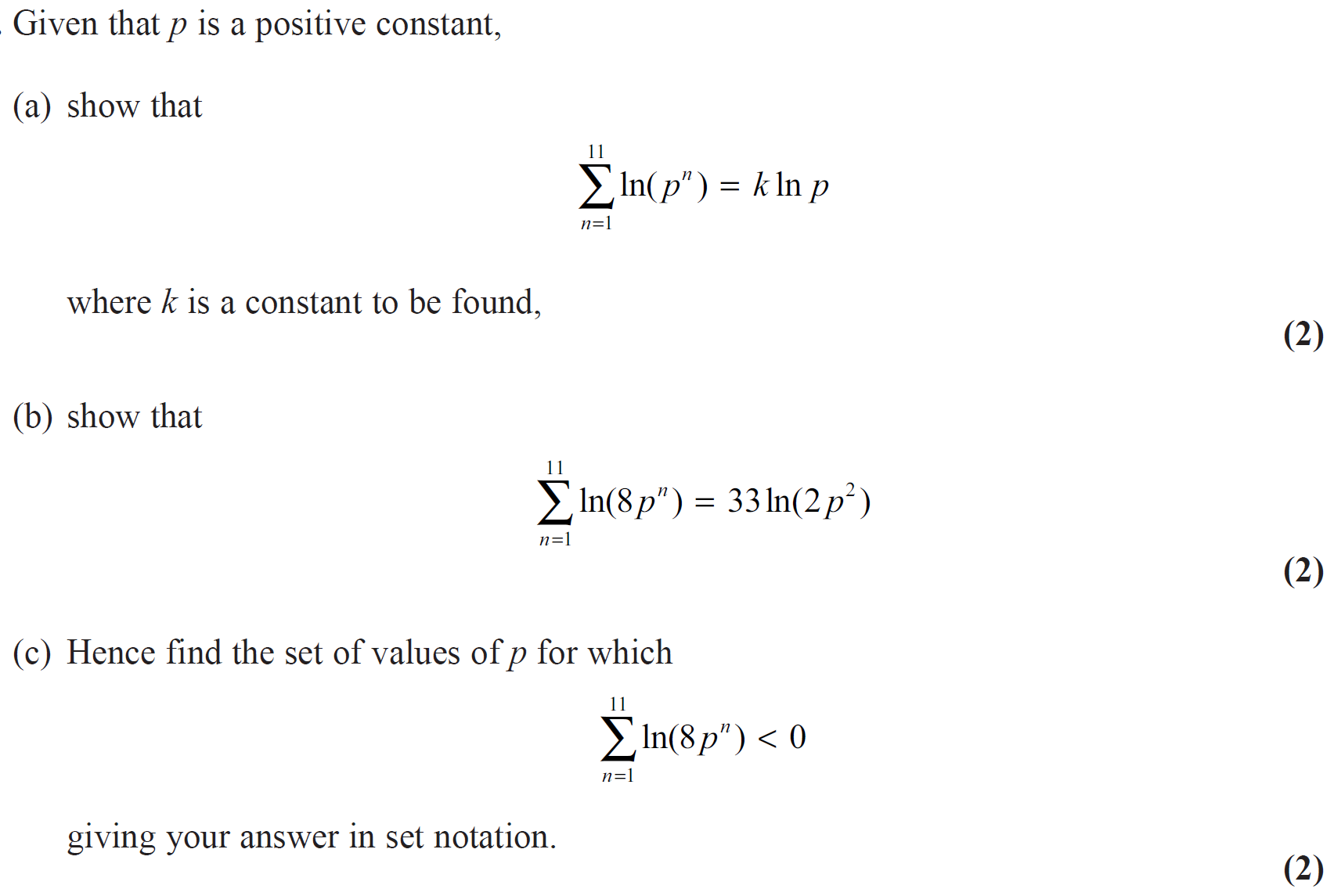
Qu 22… Edexcel Mock Papers, Paper 1 - Qu 10. ([Link to markscheme](#Ans22))



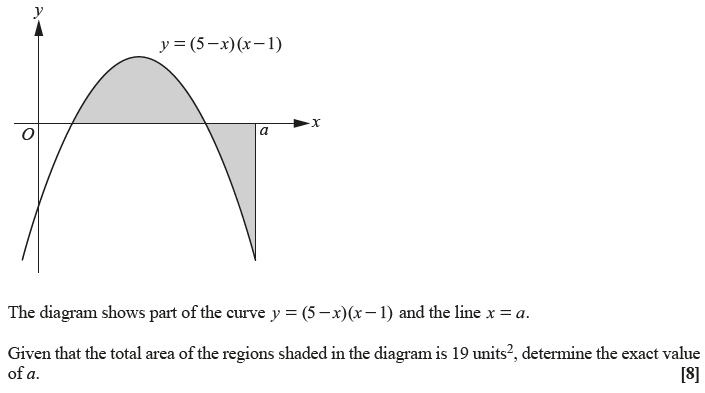


Qu 23… Edexcel, A2 Paper 1, June 2019 – Qu 9. ([Link to markscheme](#Ans23))

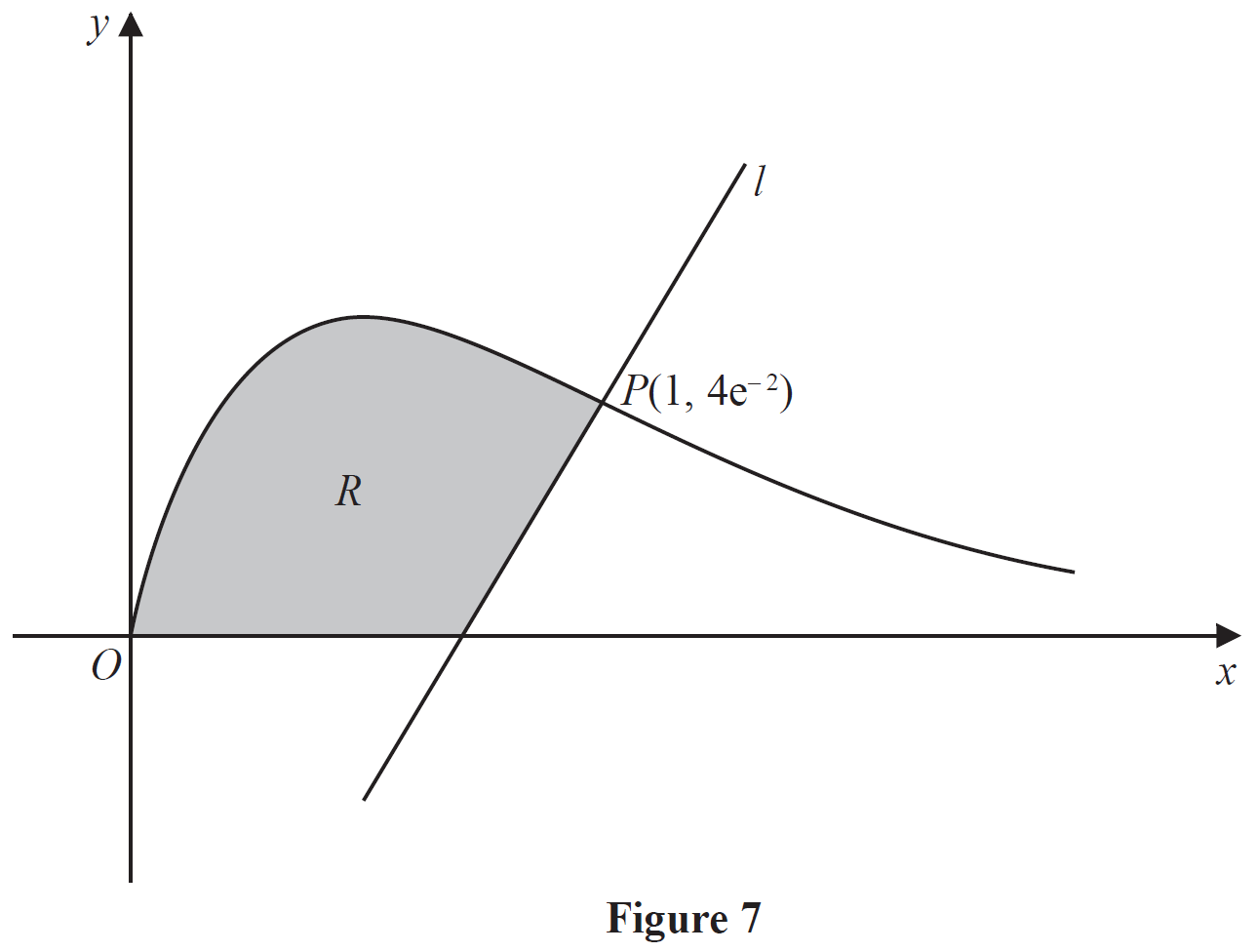


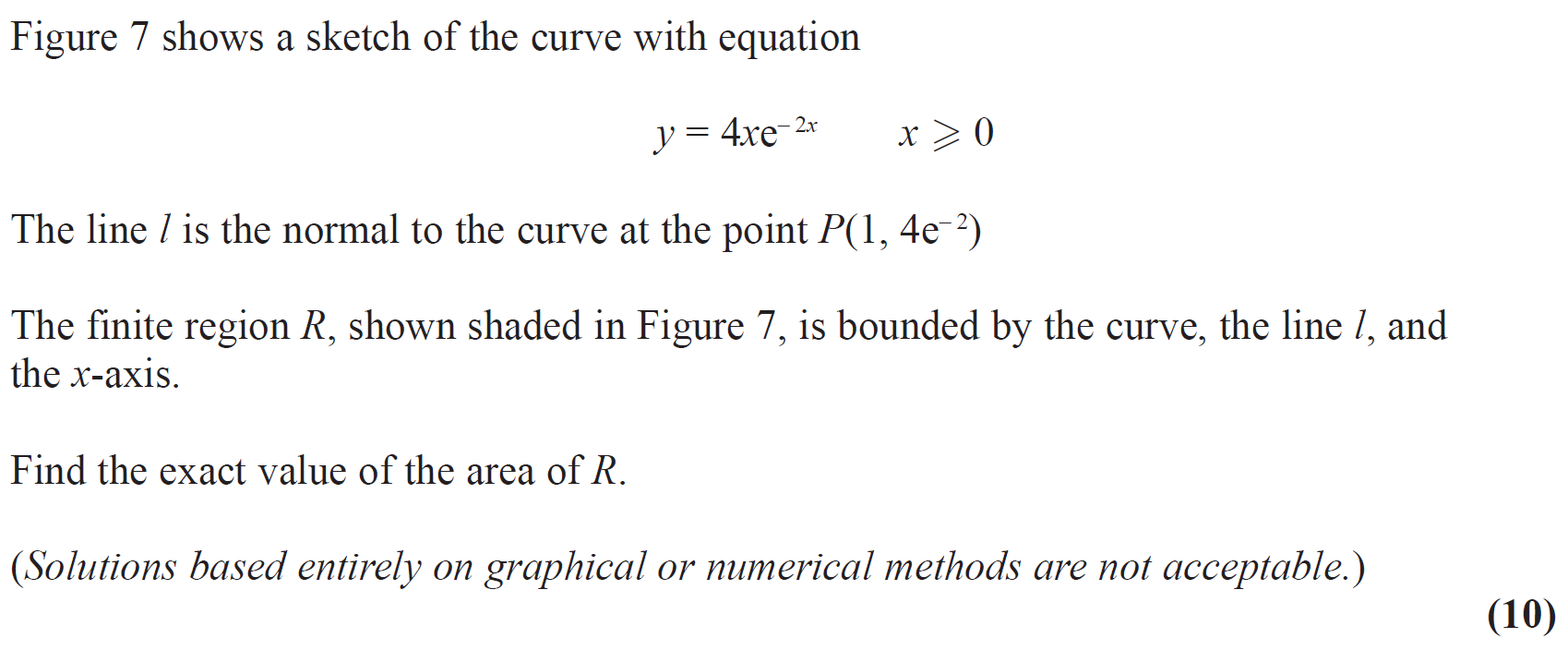
Qu 24… Edexcel Mock Papers, Paper 1 – Qu 13. ([Link to markscheme](#Ans24))

Qu 25… OCR AS Paper 2, 2019. ([Link to markscheme](#Ans25))

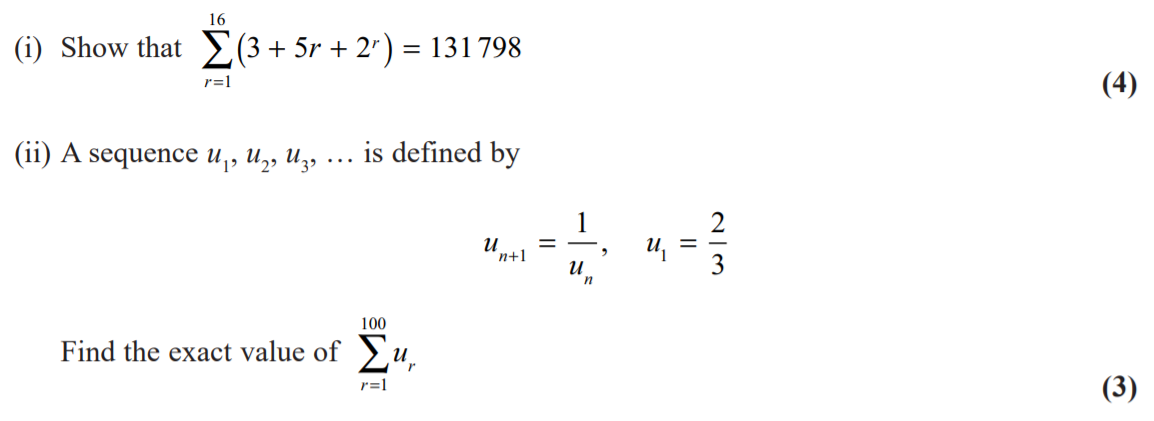


Qu 26… Edexcel Mock Papers, Paper 1 -Qu 14. ([Link to markscheme](#Ans26))

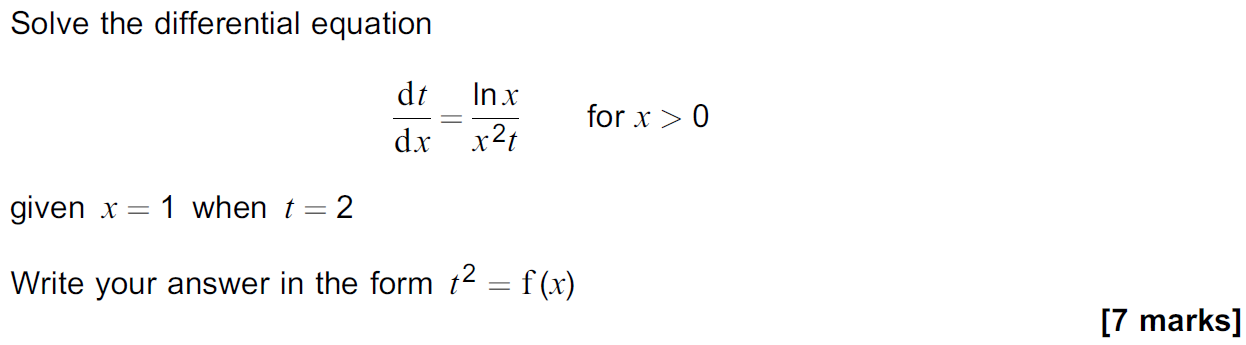




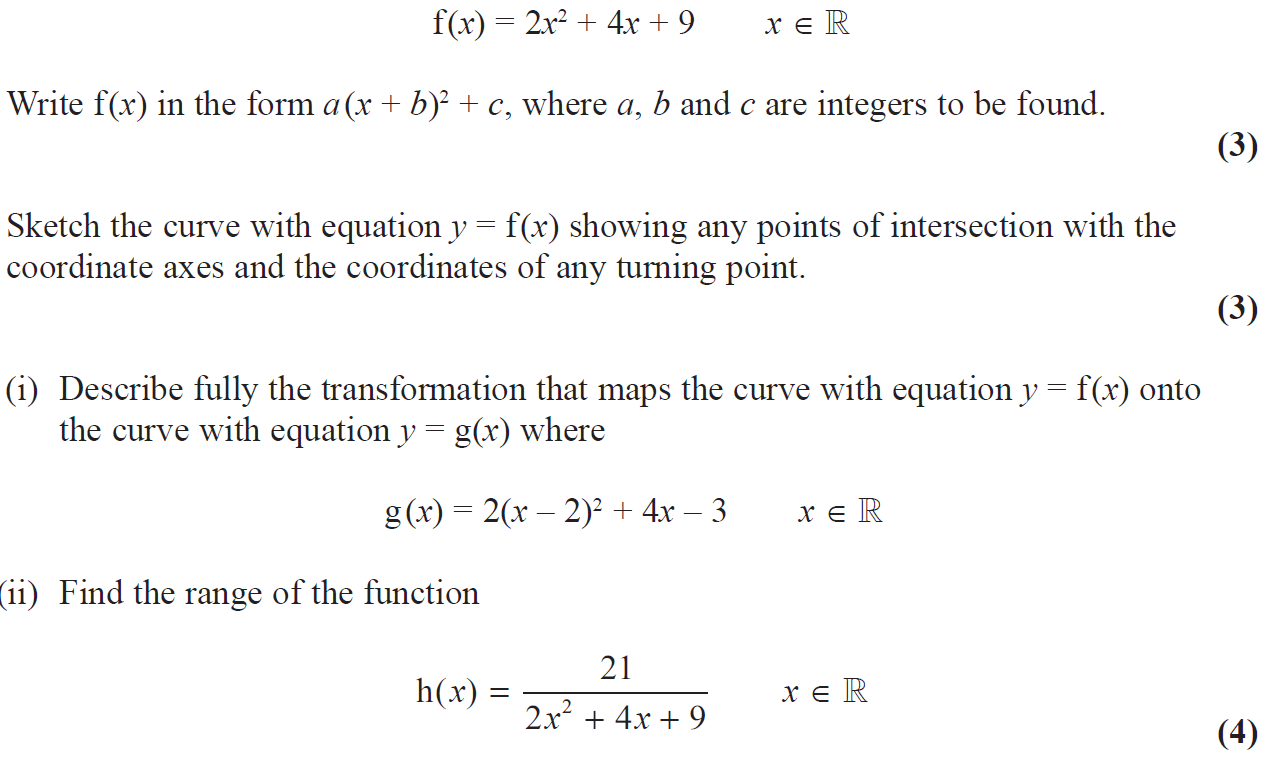
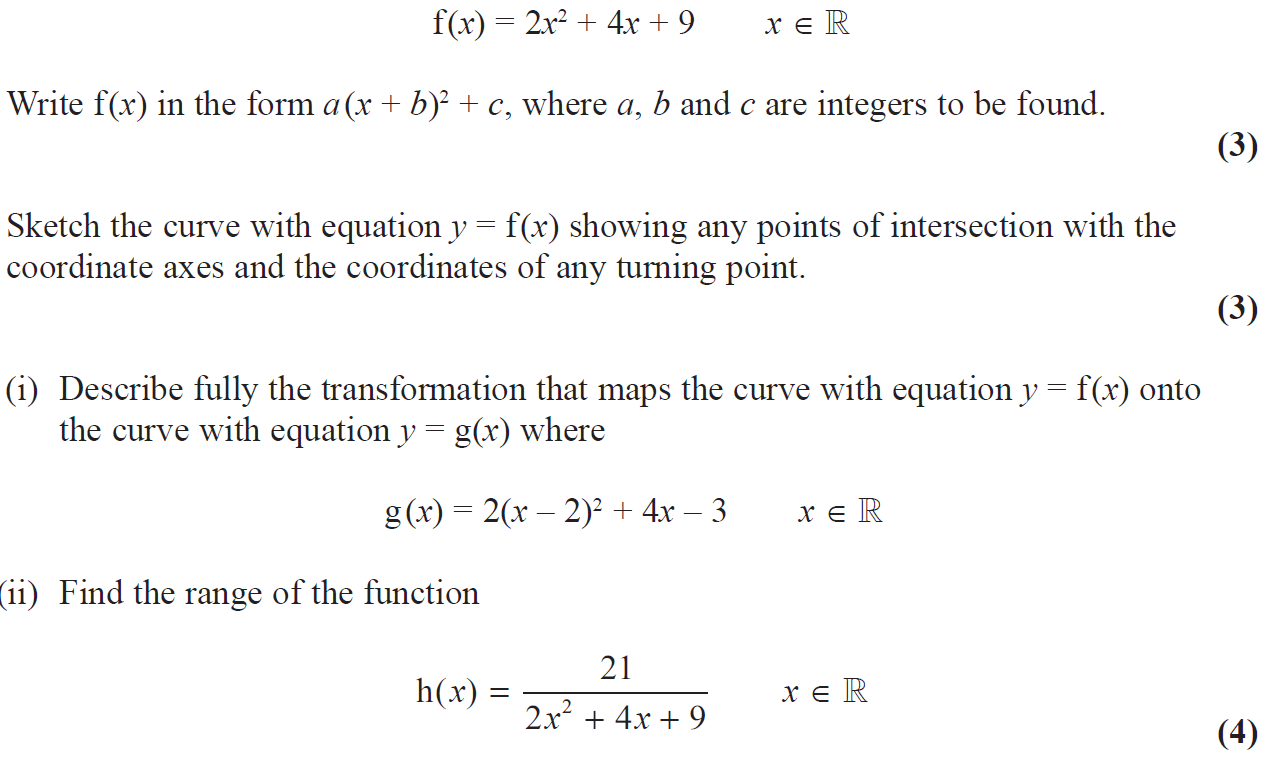
Qu 27… Edexcel A2 Paper 2, 2018 – Qu 4. ([Link to markscheme](#Ans27))



Qu 28… AQA, A2 Paper 2, 2019. ([Link to markscheme](#Ans28))



Qu 29… Edexcel, A2 Paper 1, June 2019 – Qu 5. ([Link to markscheme](#Ans29))



Qu 30… Edexcel unit tests, Integration – Qu 8. ([Link to markscheme](#Ans30))

Use the substitution to find

,

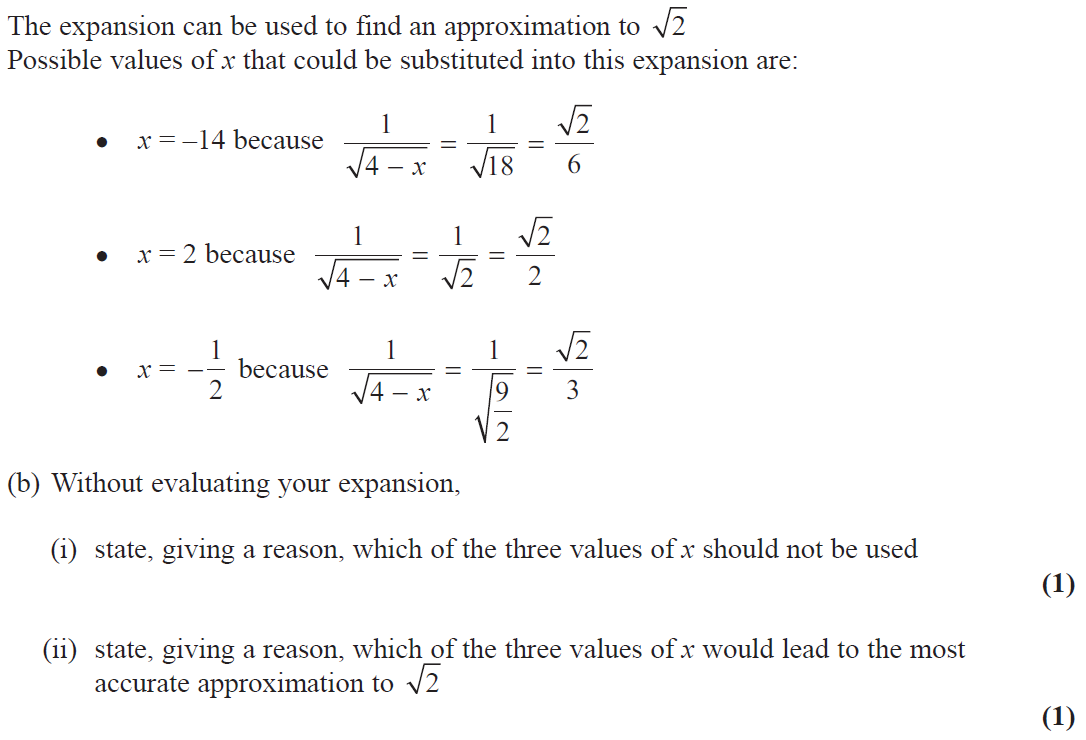
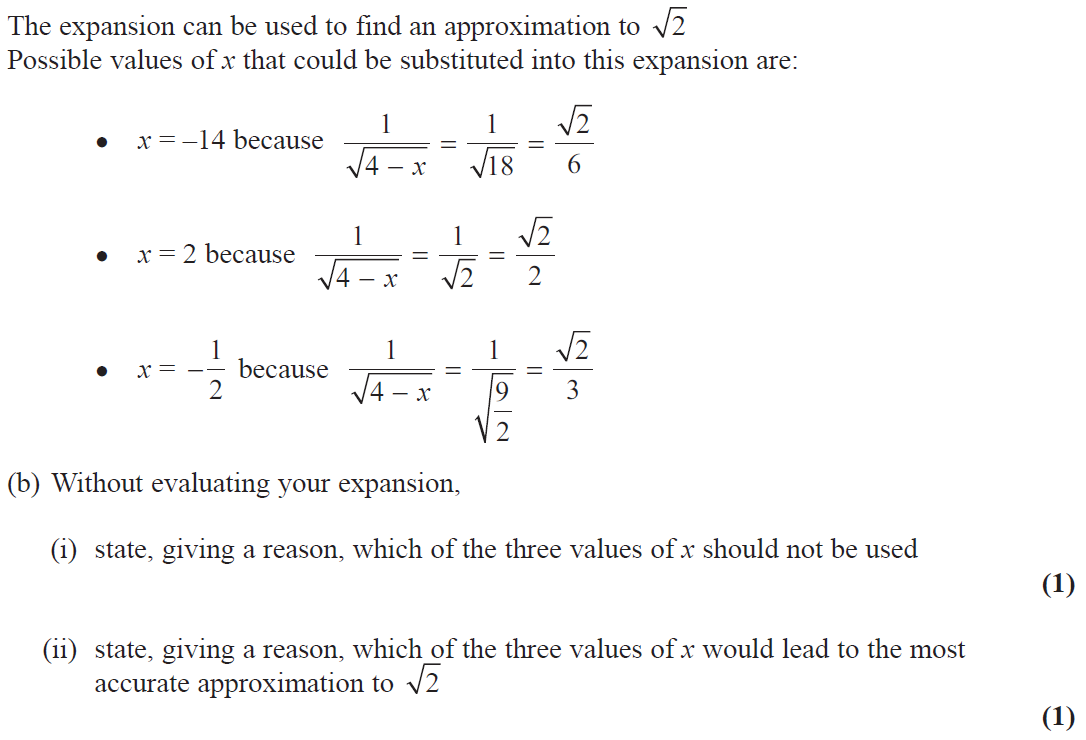
giving your answer in the form , where and are e*x*act constants.

**(9)**

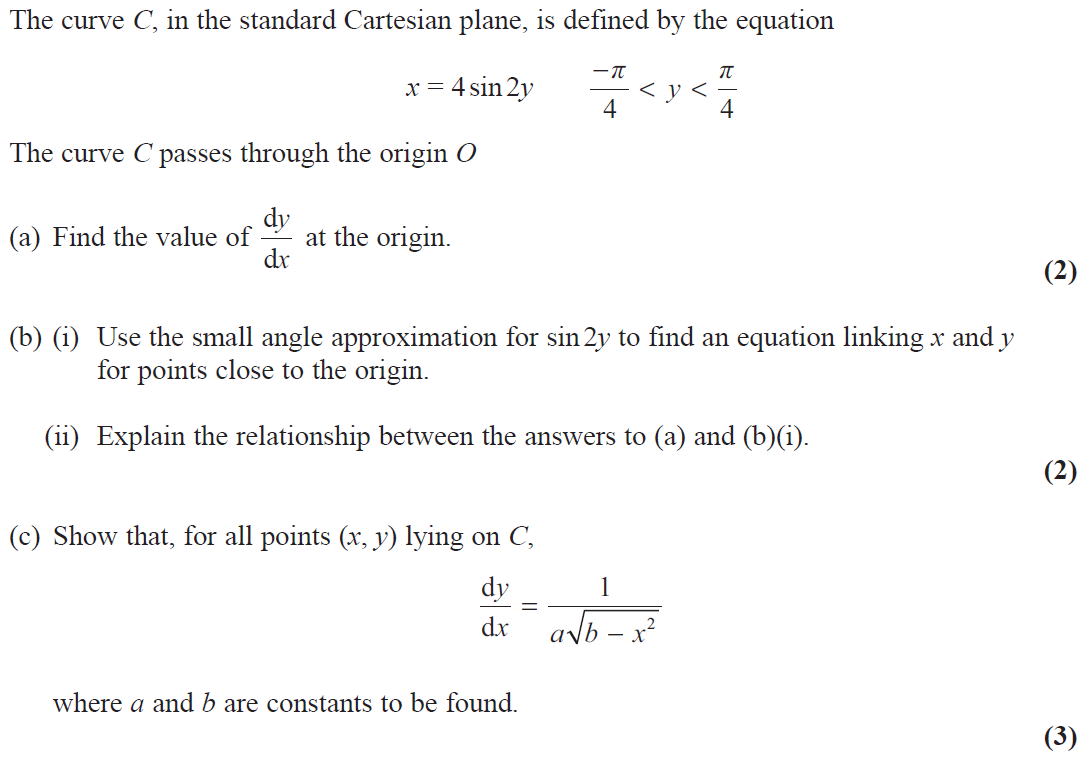
Qu 31… Edexcel, A2 Paper 1, June 2019 – Qu 4. ([Link to markscheme](#Ans31))

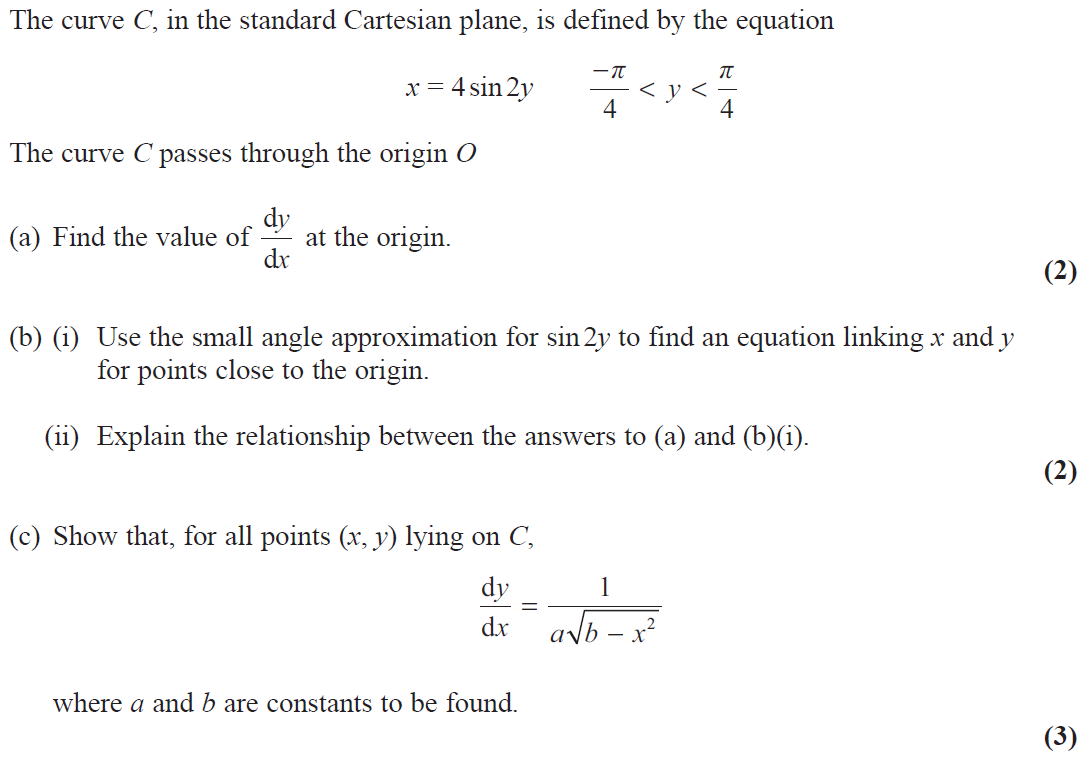
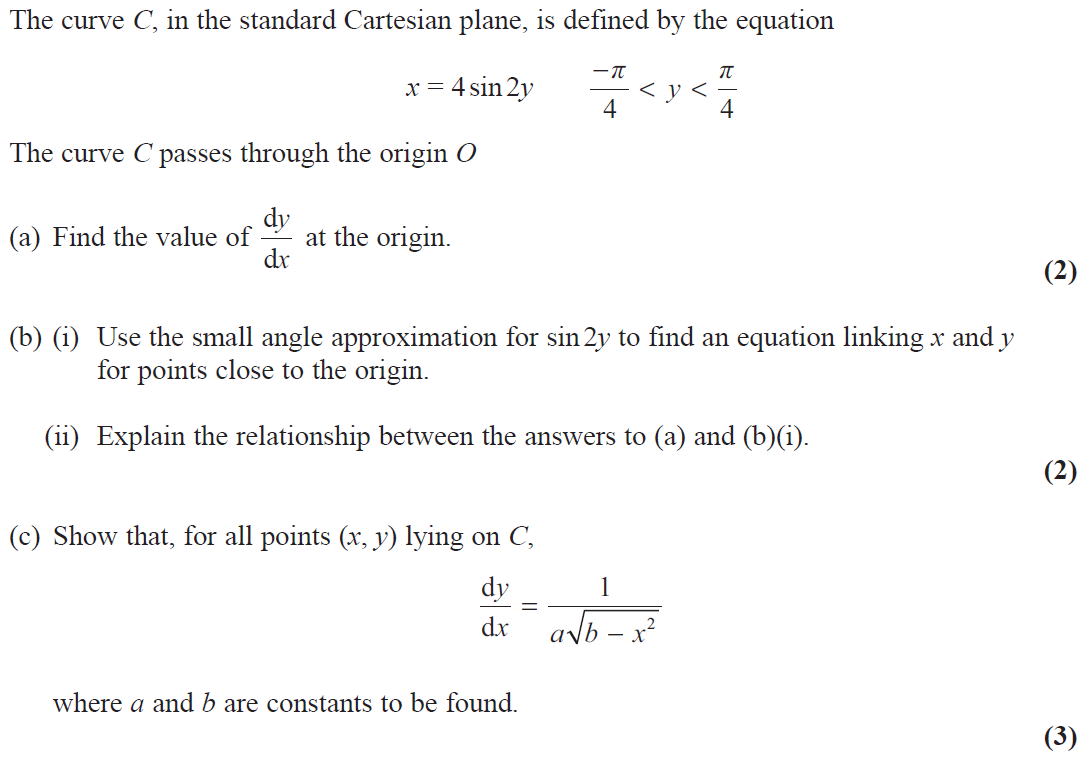
The binomial expansion of

Can be used to find an approximation to .

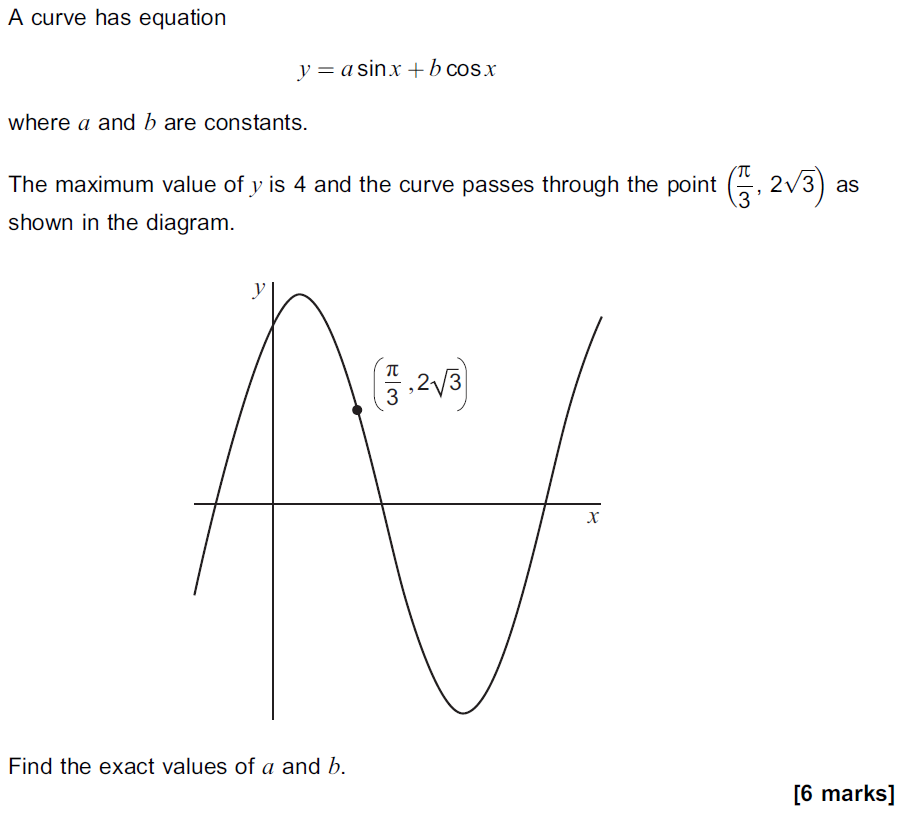


Qu 32… Edexcel, A2 Paper 1, June 2019 – Qu 14. ([Link to markscheme](#Ans32))

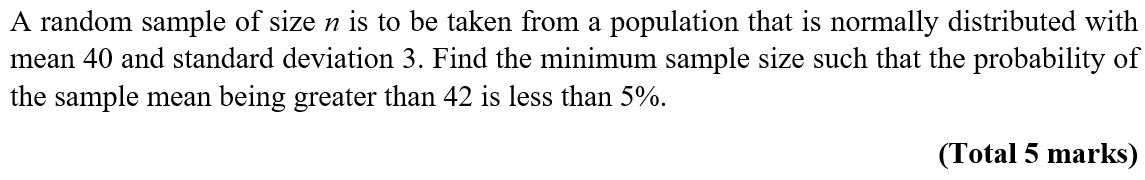




Qu 33… AQA, A2 Paper 2, 2019. ([Link to markscheme](#Ans33))

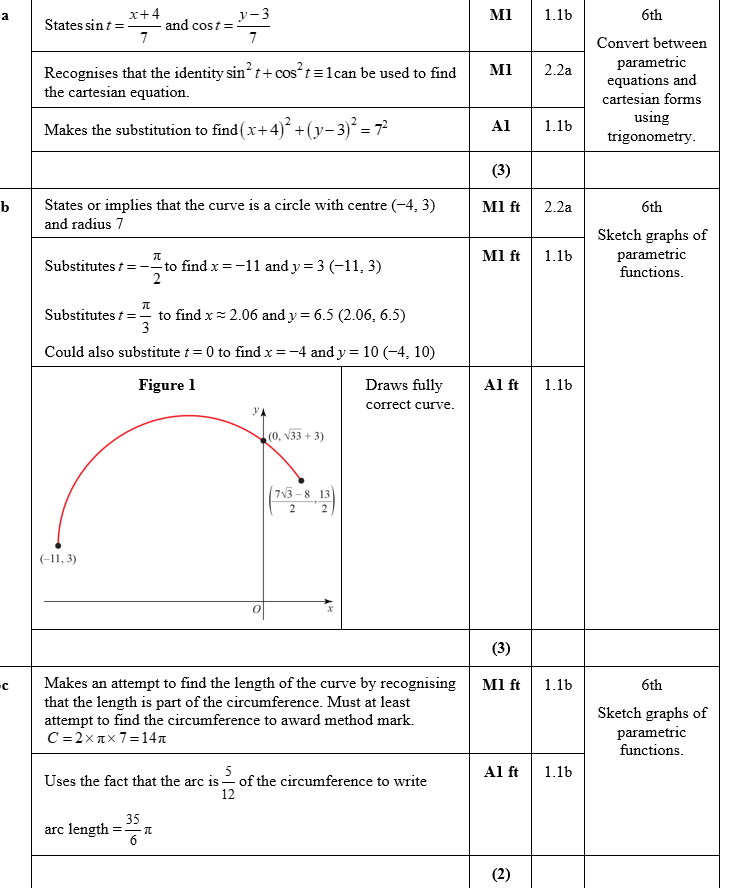


Qu 34… Edexcel Unit Tests, A2 Stats, Topic 2, Hypothesis Testing. ([Link to markscheme](#Ans34))



**Interesting Questions - Answers**

Qu 1… Edexcel unit tests, Parametric Equations - Qu 3. ([Link back to question](#Qu1))



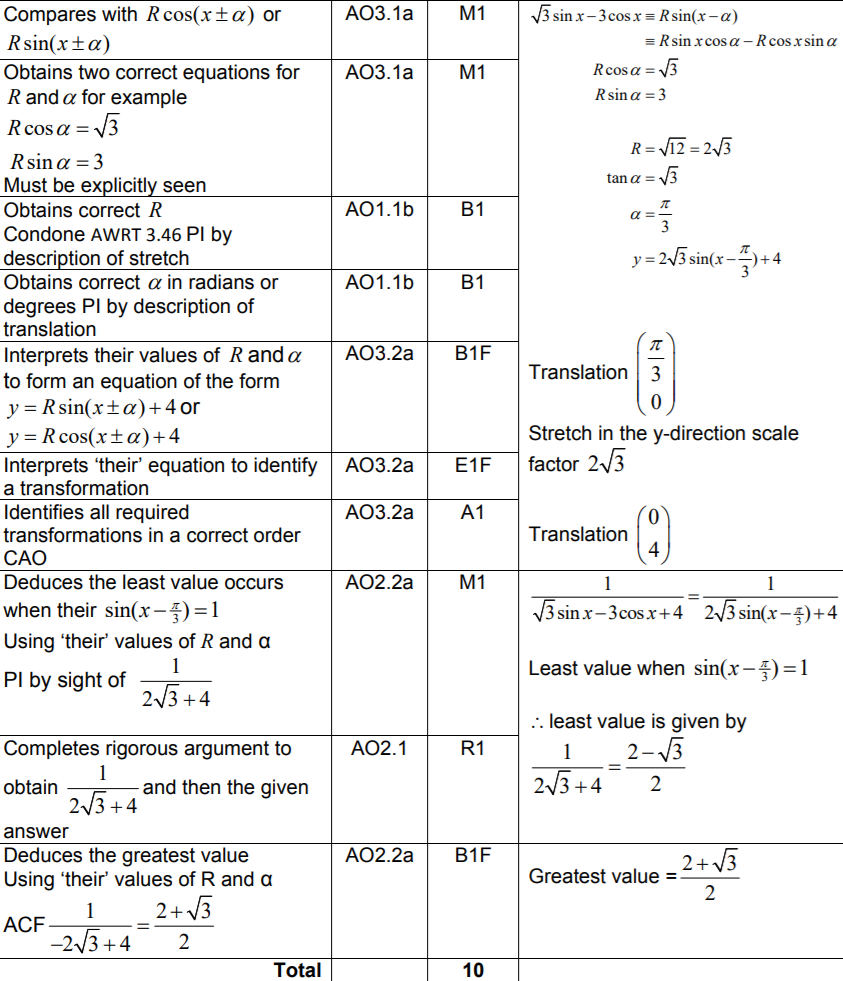
Qu 2… AQA A2 Paper 1, June 2018 -Qu 5. ([Link back to question](#Qu2))

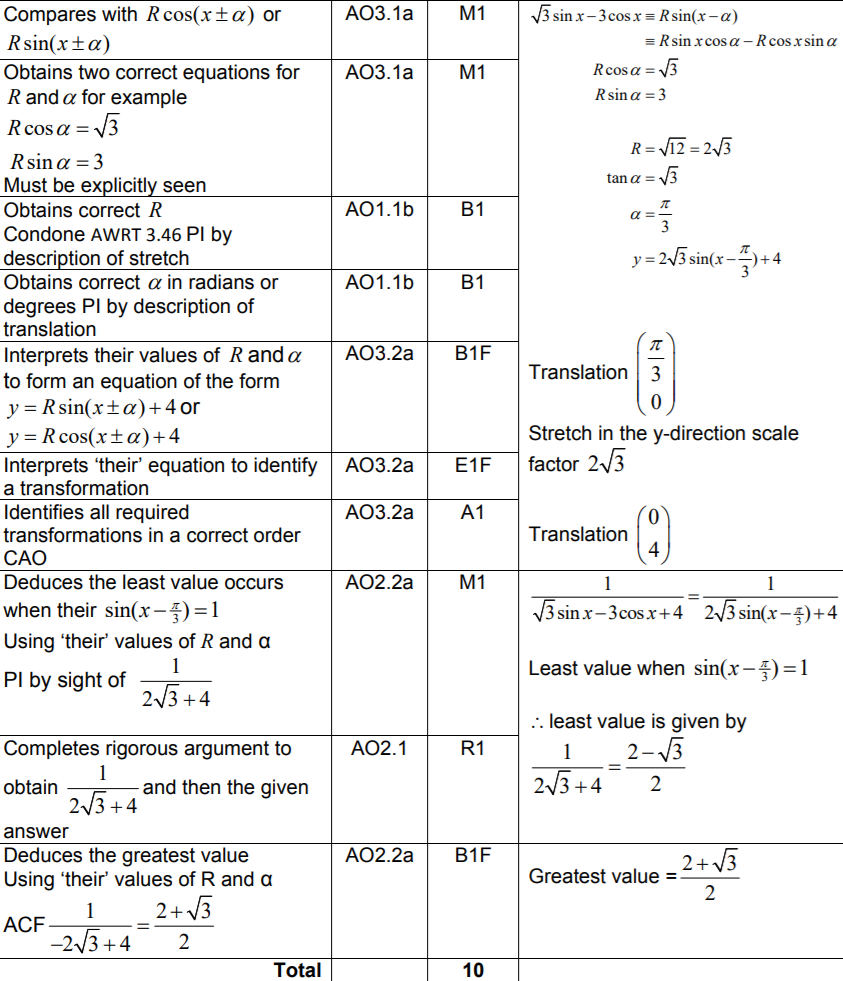
Qu 3… AQA A2 Paper 1, June 2018 – Qu 12. ([Link back to question](#Qu3))

Qu 4… AQA A2 Paper 1, June 2018 – Qu13. ([Link back to question](#Qu4))

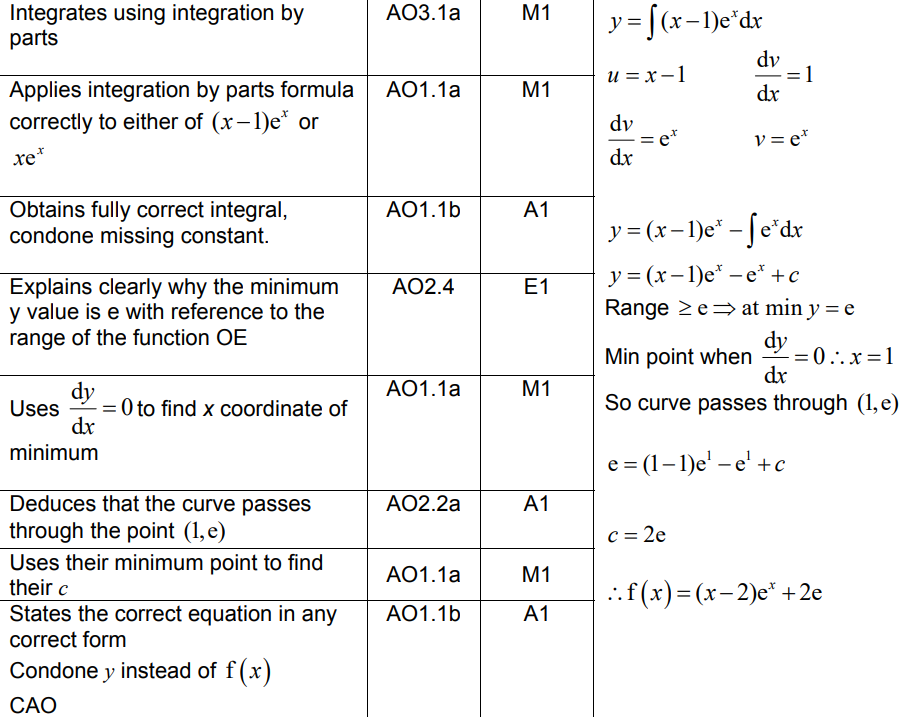
32 sq in

Qu 5… AQA A2 Paper 2, June 2018 -Qu 8. ([Link back to question](#Qu5))

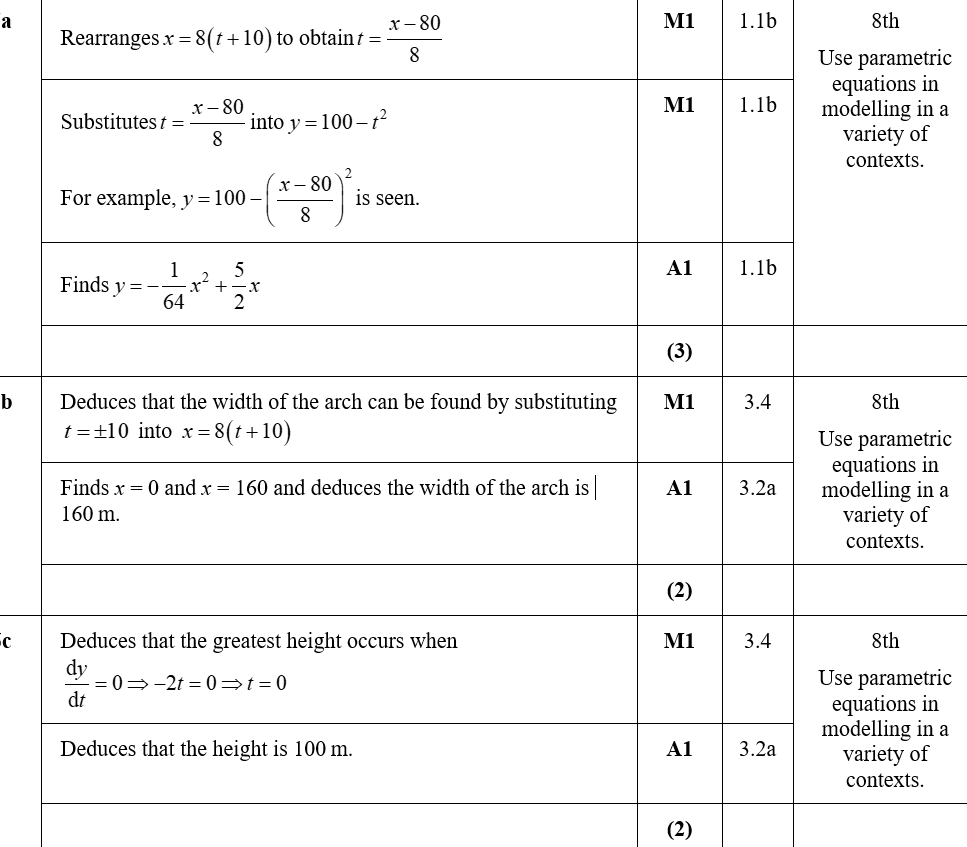




Qu 6… AQA A2 Paper 2, June 2018 - Qu 7. ([Link back to question](#Qu6))



Qu 7… Edexcel unit tests, parametric Equations -Qu 6. ([Link back to question](#Qu7))



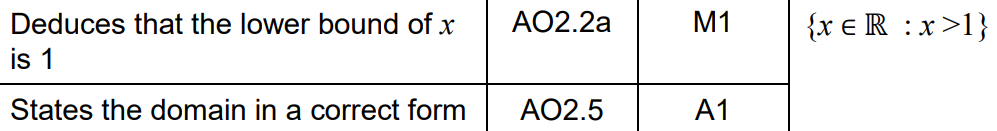
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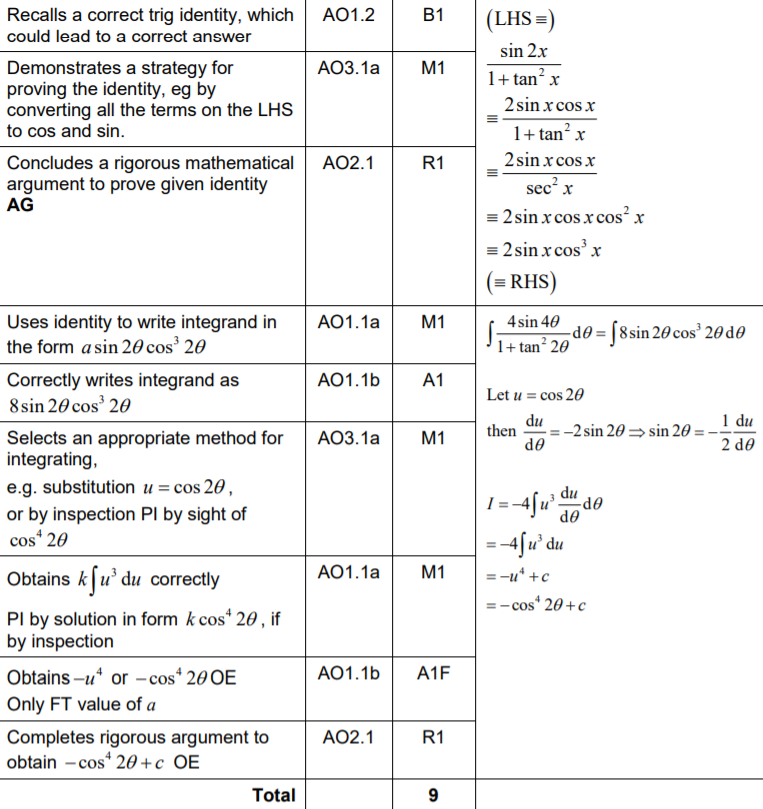
Qu 8… Edexcel Paper 1, June 2018 - Qu7. ([Link back to question](#Qu8))

-

Qu 9… AQA Paper 3, June 2018 – Qu 6. ([Link back to question](#Qu9))



Qu 10… AQA Paper 3, June 2018 – Qu 8. ([Link back to question](#Qu10))



Qu 11… OCR A, Paper 2, June 2018. ([Link back to question](#Qu11))

0.0668 or 0.067

Qu 12… OCR A, Paper 2, June 2018. ([Link back to question](#Qu12))

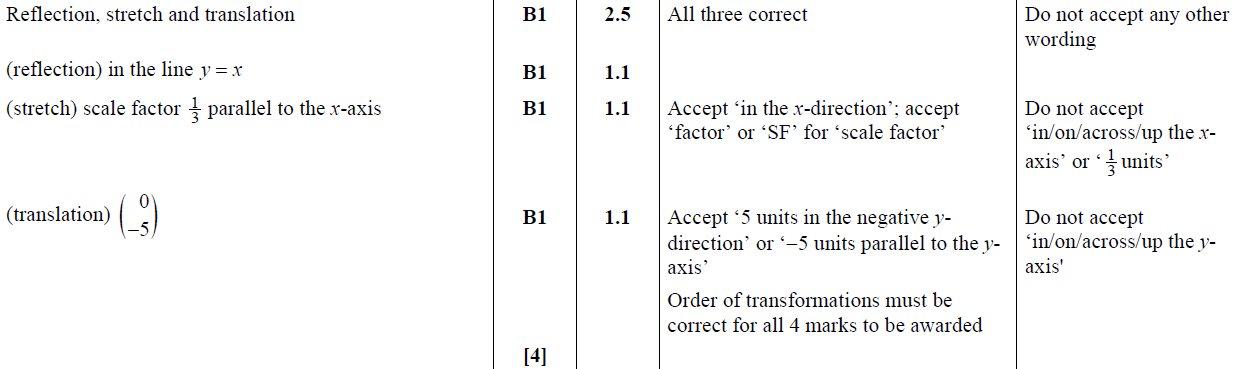
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Qu 13… OCR, Paper 1, June 2018. ([Link back to question](#Qu13))

-

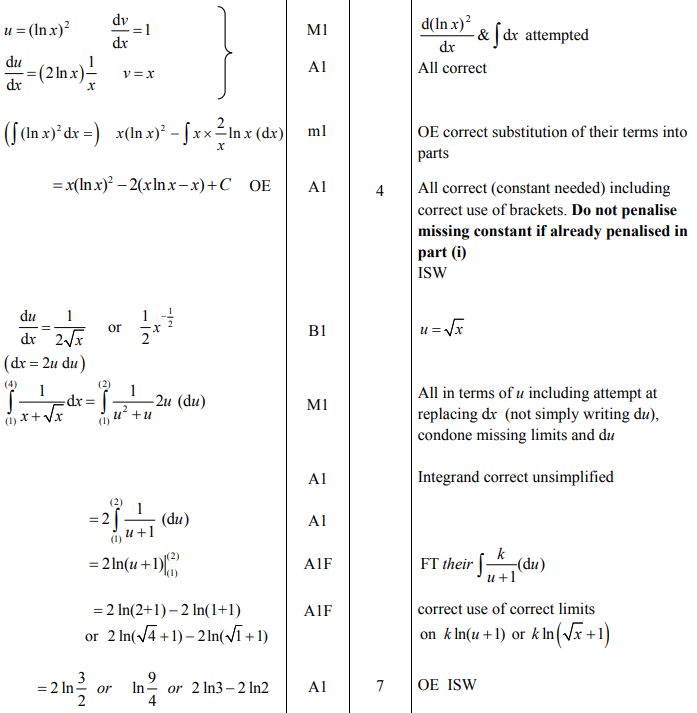
Qu 14… OCR, Paper 2, June 2018. ([Link back to question](#Qu14))

Qu 15… OCR Practice Papers, Set 2, Paper 3 - Qu3. ([Link back to question](#Qu15))

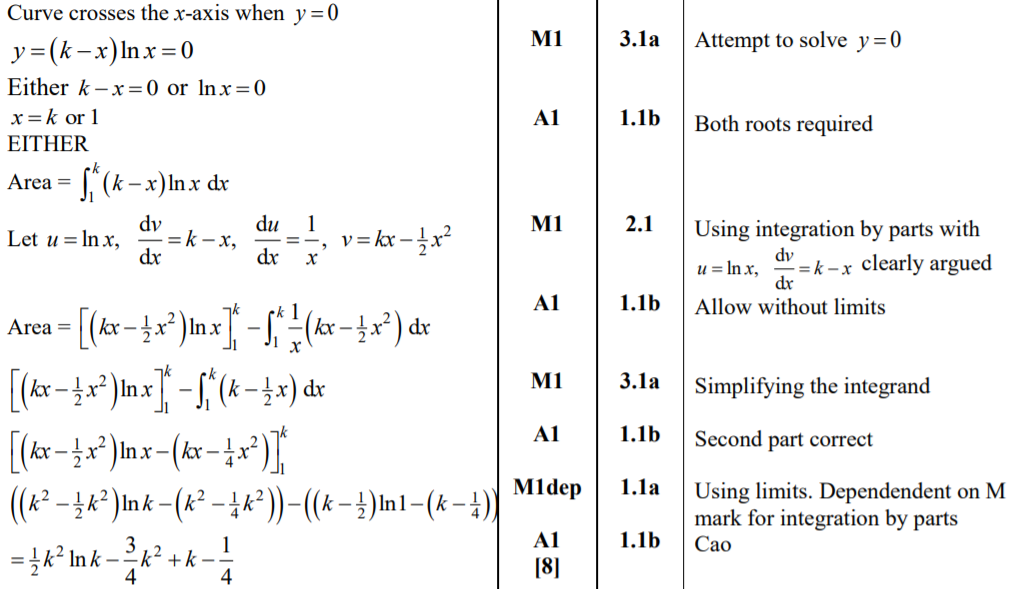


Qu 16… OCR Practice Papers, Set 4, Paper 1. ([Link back to question](#Qu16))

Qu 17… AQA Core 3, June 2013. ([Link back to question](#Qu17))

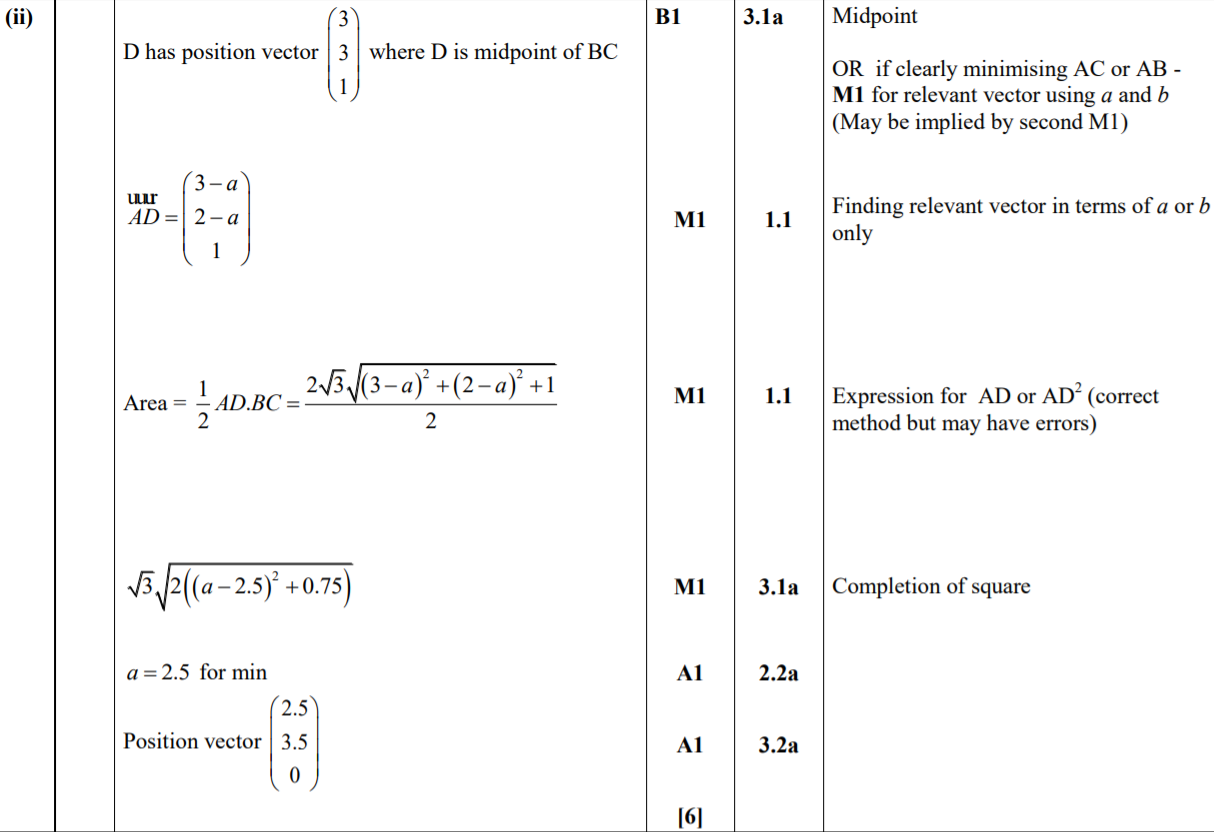


Qu 18… MEI, Paper 1, June 2018 – Qu 10. ([Link back to question](#Qu18))

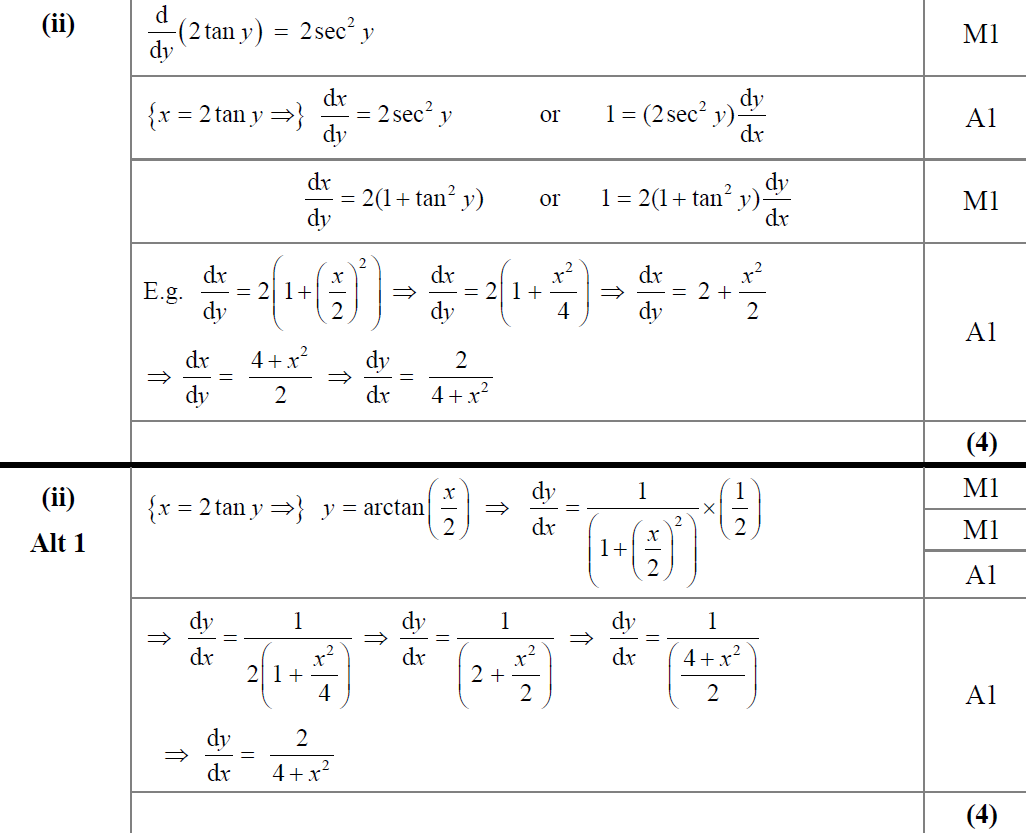


Qu 19… MEI, Paper 1, June 2018 -Qu 11. ([Link back to question](#Qu19))

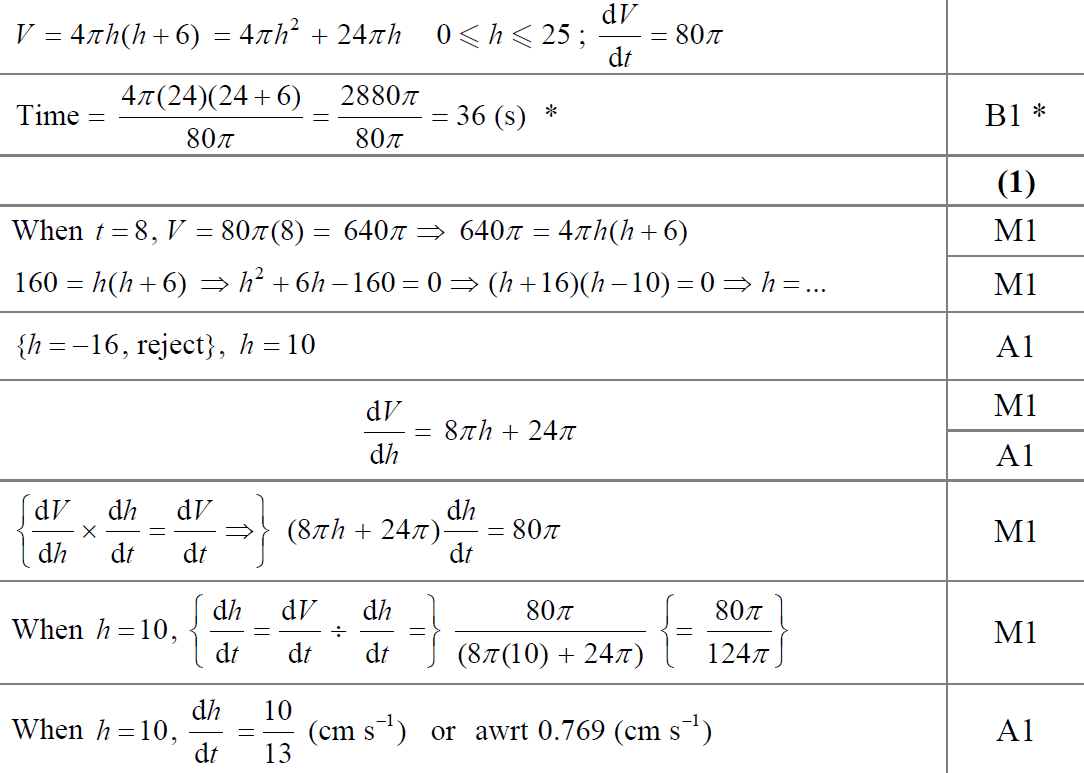
Qu 20… MEI, Paper 3, June 2018 – Qu 10. ([Link back to question](#Qu20))



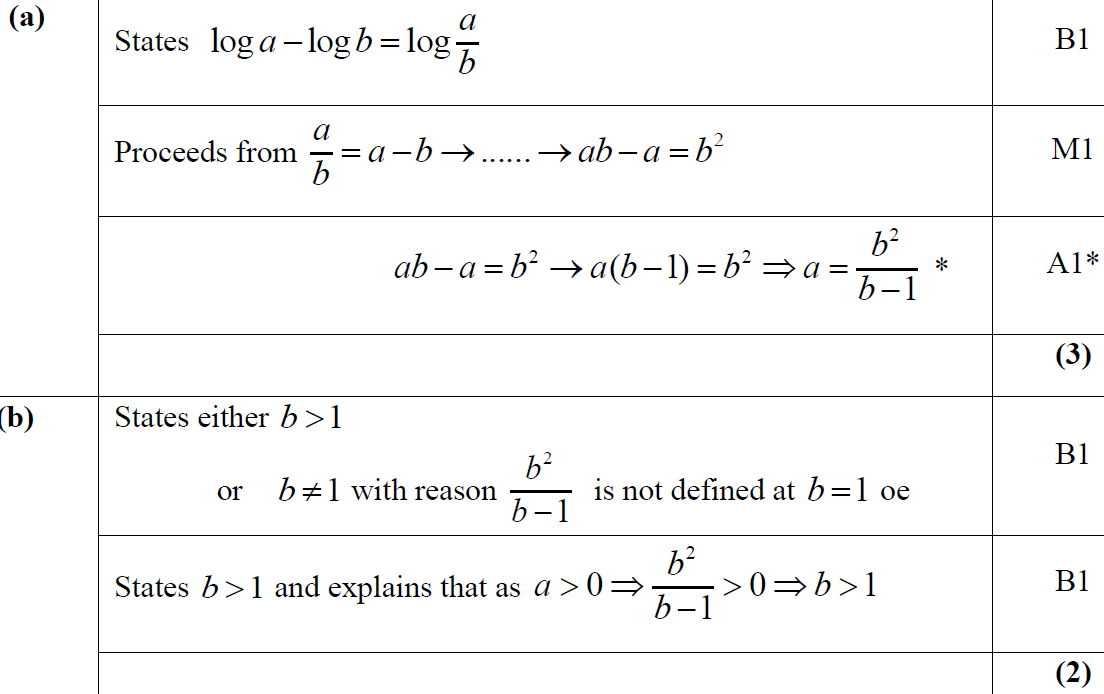
Qu 21… Edexcel Mock Papers, Paper 1 – Qu 11. ([Link back to question](#Qu21))



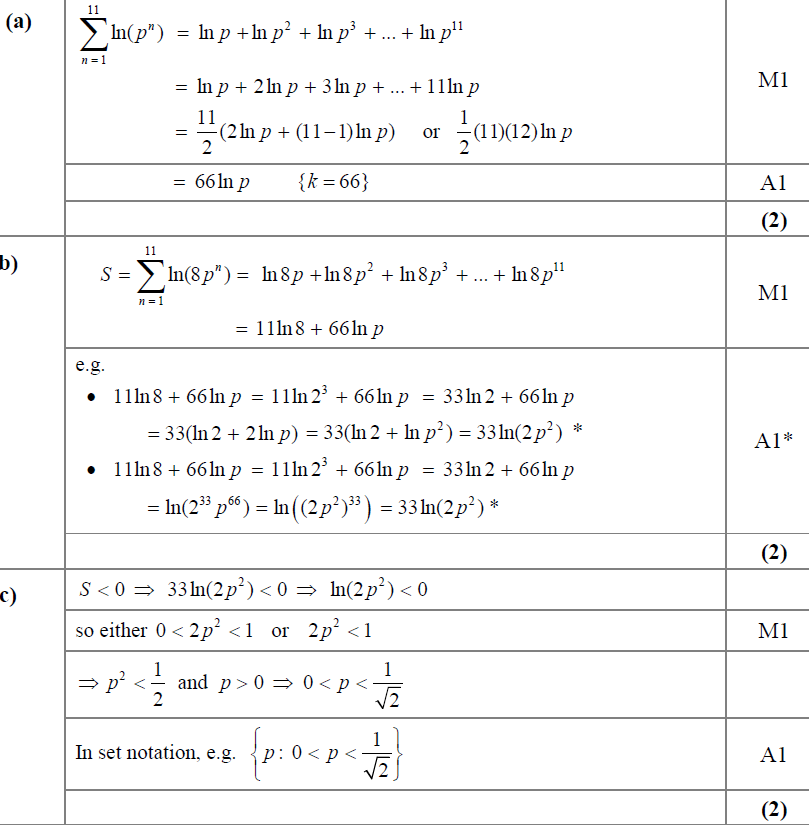
Qu22… Edexcel Mock Papers, Paper 1 - Qu 10. ([Link back to question](#Qu22))



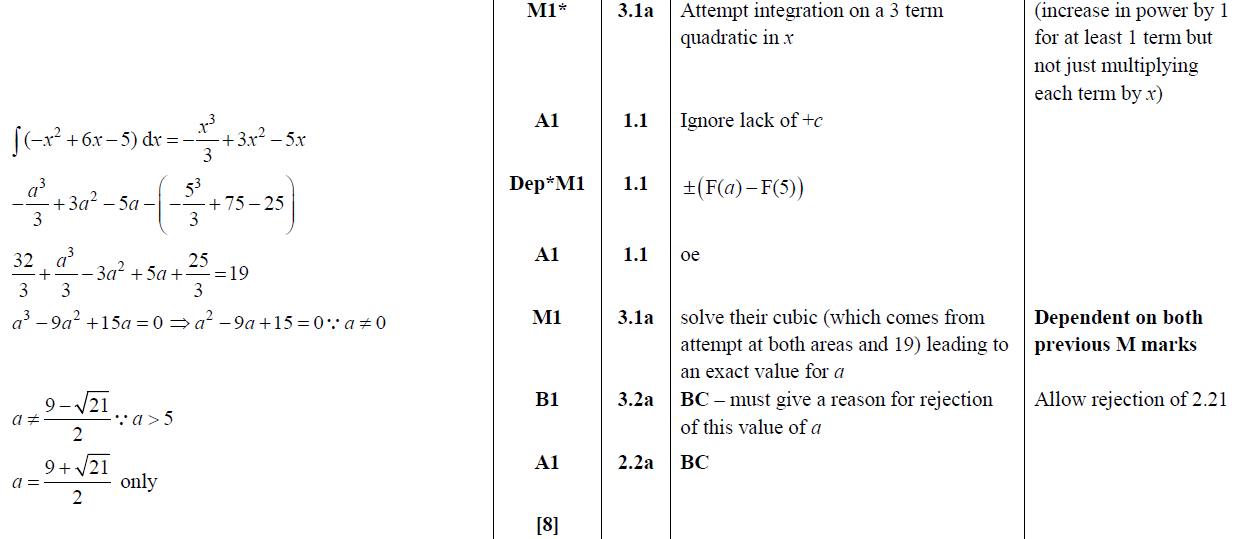
Qu 23… Edexcel, A2 Paper 1, June 2019 – Qu 9. ([Link back to question](#Qu23))



Qu 24… Edexcel Mock Papers, Paper 1 – Qu 13. ([Link back to question](#Qu24))



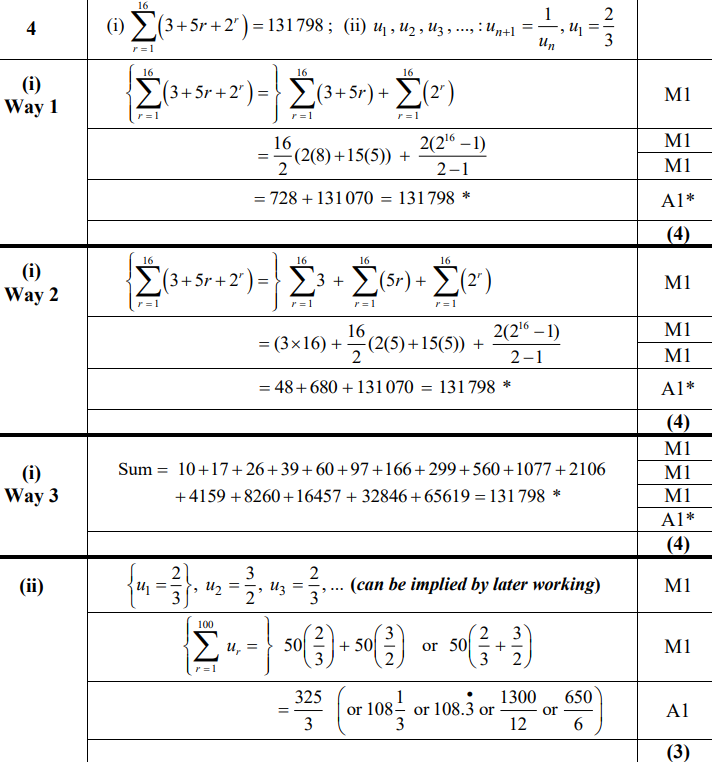
Qu 25… OCR AS Paper 2, 2019 – Qu7. ([Link back to question](#Qu25))



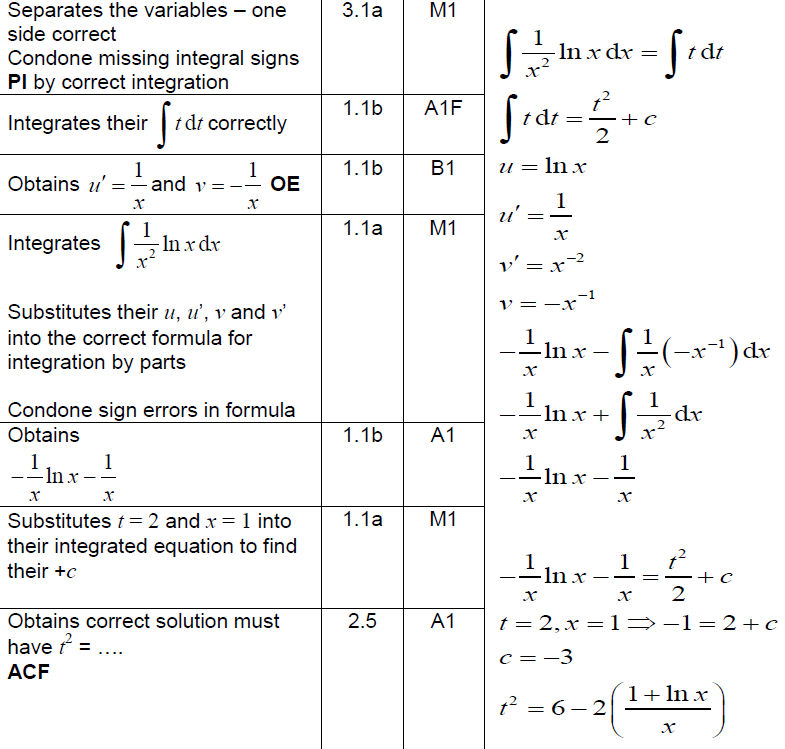
Qu 26… Edexcel Mock Papers, Paper 1 -Qu 14. ([Link back to question](#Qu26))

 or 

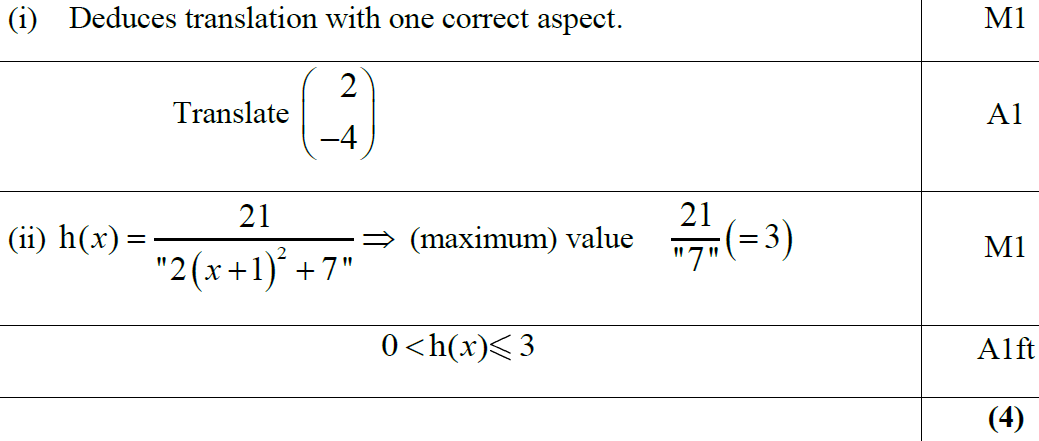
Qu 27… Edexcel A2 Paper 2, 2018 – Qu 4. ([Link back to question](#Qu27))

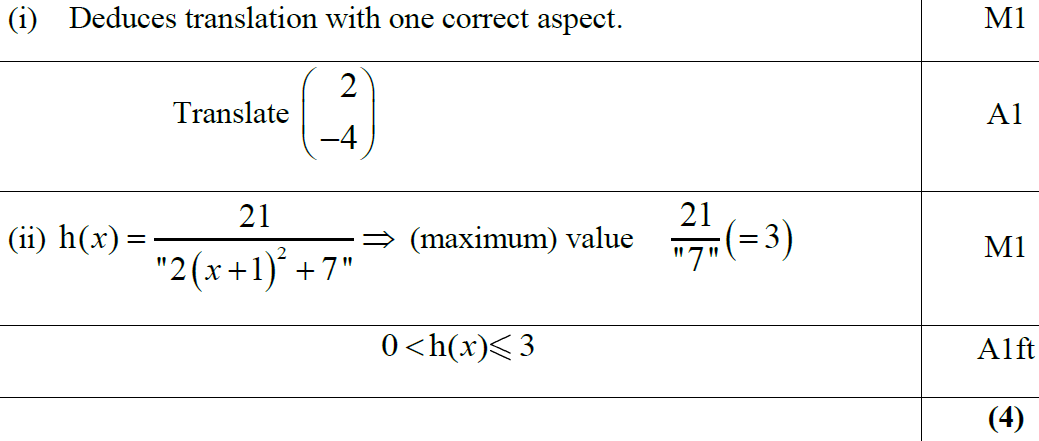


Qu 28… AQA, A2 Paper 2, 2019. ([Link back to question](#Qu28))



Qu 29… Edexcel, A2 Paper 1, June 2019 – Qu 5. ([Link back to question](#Qu29))

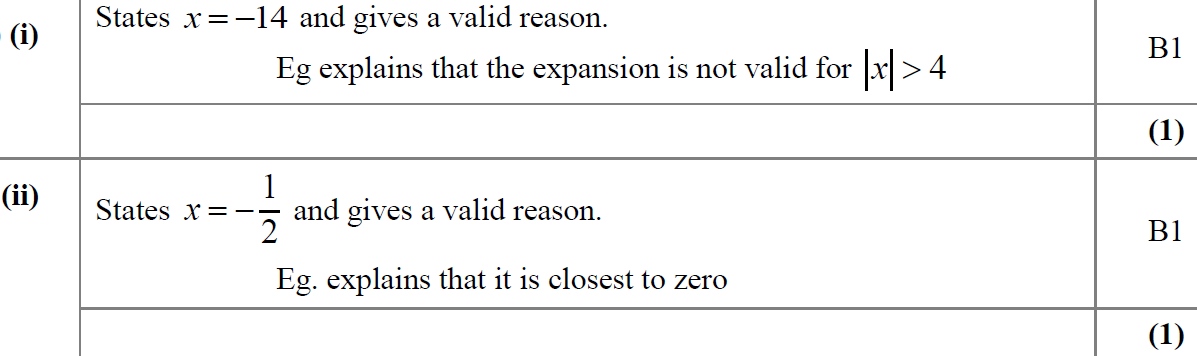


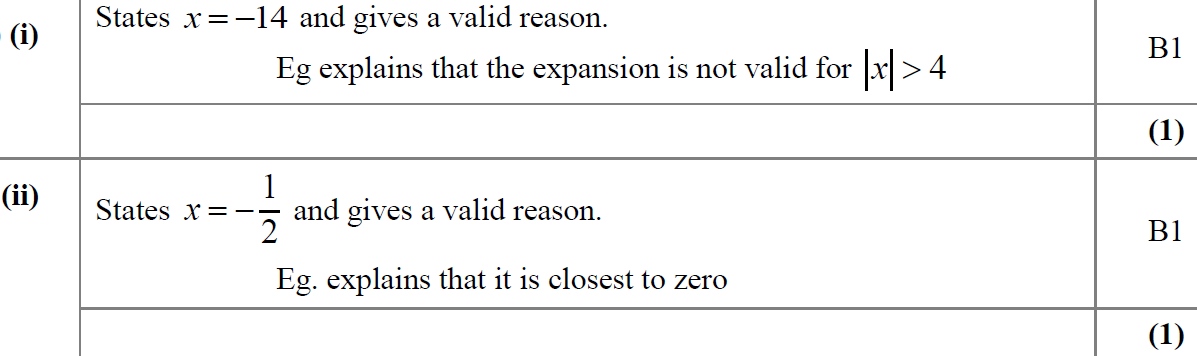


Qu 30… Edexcel unit tests, Integration – Qu 8. ([Link back to question](#Qu30))

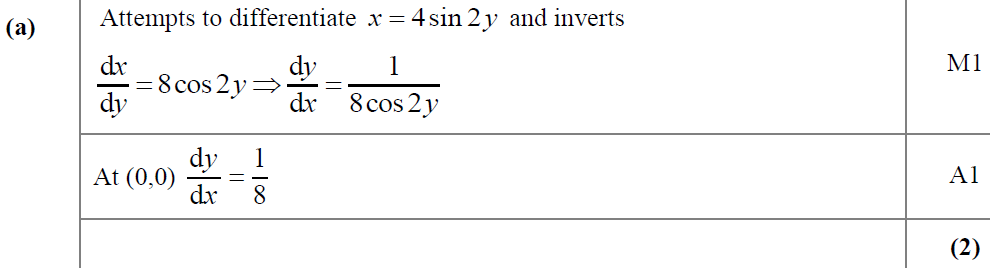


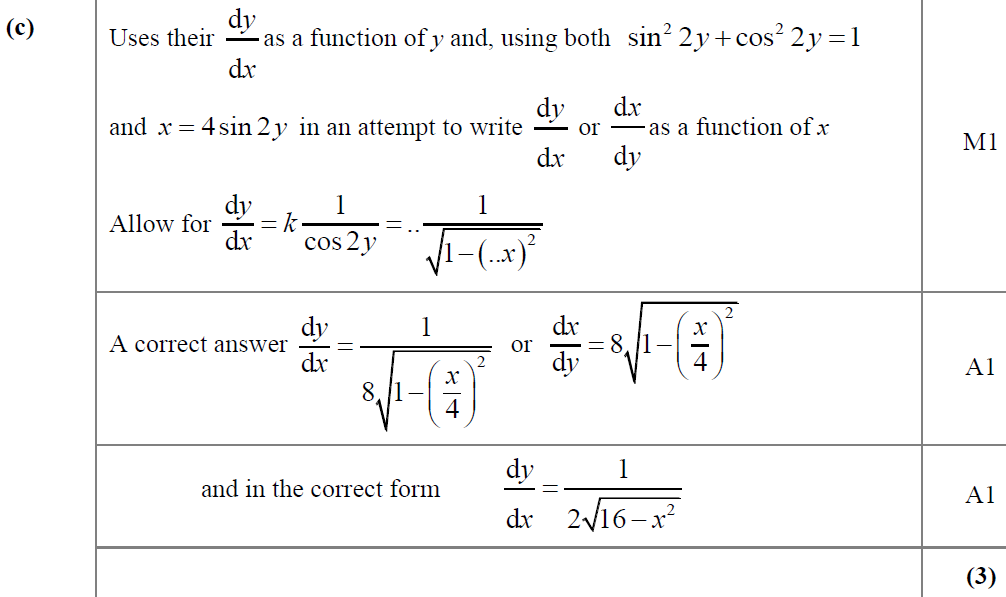
Qu 31… Edexcel, A2 Paper 1, June 2019 – Qu 4. ([Link back to question](#Qu31))





Qu 32… AQA, A2 Paper 2, 2019. ([Link back to question](#Qu32))





Qu 33… Edexcel, A2 Paper 1, June 2019 – Qu 14. ([Link back to question](#Qu33))

Qu 34… Edexcel Unit Tests, A2 Stats, Topic 2, Hypothesis Testing. ([Link to question](#Qu34))

