

Pearson Edexcel A Level Mathematics 9MA0

Unit Test 2 Partial Fractions

Time allowed: 50 minutes

School: www.CasperYC.club

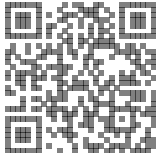
Name:

Teacher:

How I can achieve better:

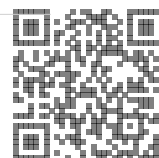
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Question	Points	Score
1	5	
2	4	
3	5	
4	6	
5	6	
6	5	
7	7	
8	5	
9	7	
Total:	50	



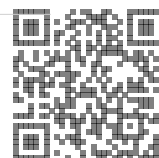
[5]

find the values of the constants A, B and C , where A, B and C are integers.



[4]

as a single fraction in its simplest form.

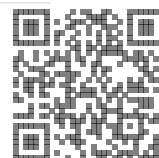


[5]

can be written in the form

$$\frac{A}{5x-1} + \frac{B}{2x+5}$$

Find the values of the constants A and B .

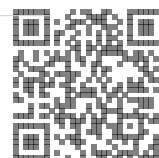


[6]

Given that $f(x)$ can be expressed in the form

$$\frac{A}{x-3} + \frac{B}{4-x} + \frac{C}{x+5}$$

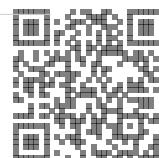
find the values of A, B and C .



5.

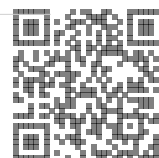
[6]

Find the values of the constants A, B and C .



[5]

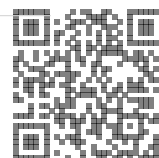
Find the values of the constants A, B, C and D .



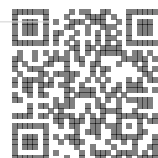
[7]

Show that $f(x)$ can be written as

and find the values of P, Q, R, V and W .



[5]



[7]

Show that $f(x)$ can be written in the form

where A, B and C are constants to be found.

