Progress

Course outline

Week0

variables

How to access the portal?

Introduction to complex

Important theorems in

 Implications of Cauchy Gorsat Theorem, Cauchy Integral

Implications of CIF, converse

Examples in contour integrals,

ratios of polynomials.

Contour integration of sinc

Method of path deformation.

Method of path deformation.

Quiz : Week2 Assessment

Week2 Assessment Solution

Branch cuts of the square

The inverse Laplace

complex variables

of CG theorem.

Formula.

function.

Continued

root function

transform

Mentor

1 point

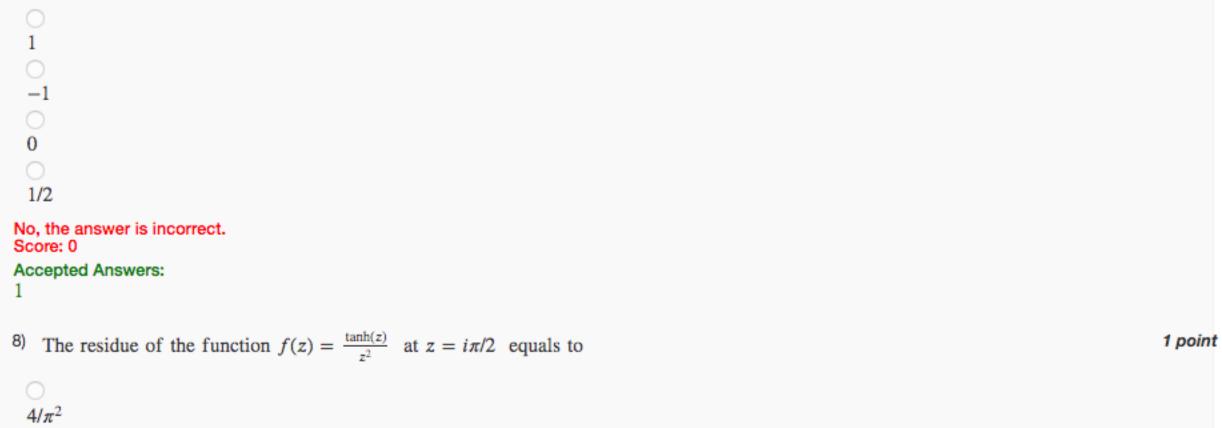
1 point

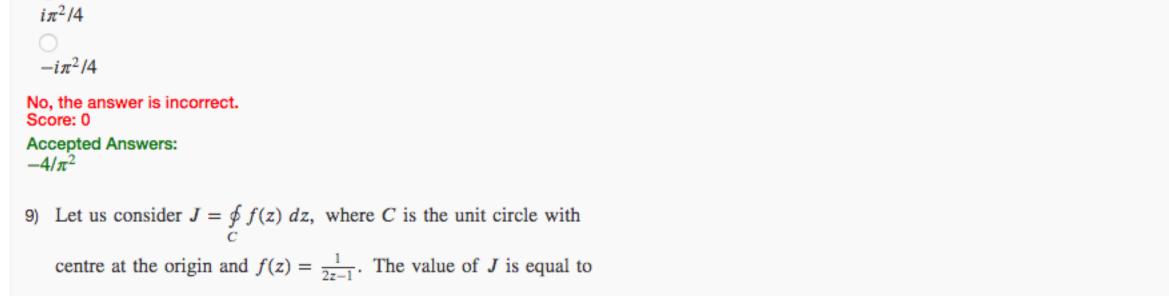
1 point

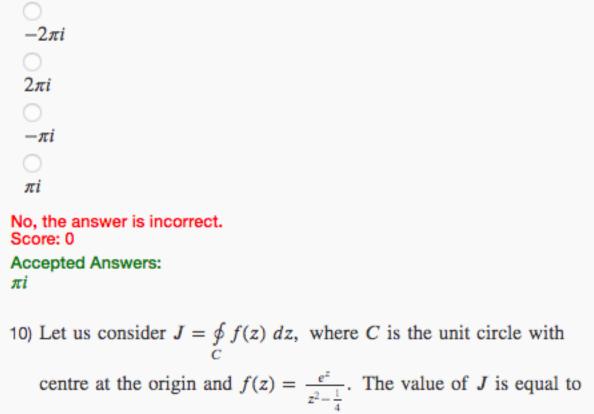
Unit 4 - Important theorems in complex variables

Week2 Assessment	
The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.	Due on 2019-08-21, 23:59
1) One of the roots of $f(z) = z^4 + 5z^2 + 4$ is	
4i	
4	
1	
No, the answer is incorrect.	
Score: 0	
Accepted Answers: i	
2) The order of the pole at $z = 0$, for the function $f(z) = \frac{1 + e^{2z}}{z^3}$ is	
0	
1	
2	
3	
No, the answer is incorrect. Score: 0	
Accepted Answers:	
3	
3) $z = (z^2 - 1) + \sin(z - 1)$	
The order of the pole at $z=1$, for the function $f(z)=\frac{(z^2-1)+\sin{(z-1)}}{(z-1)}$ is	
2	
0	
None of the above	









 $-4/\pi^{2}$

