

analytic function

Source: <http://sci.tech-archive.net/Archive/sci.math/2007-10/msg05881.html>

- *From:* djwk01 <djwk01@xxxxxxxxxx>
 - *Date:* Tue, 30 Oct 2007 17:56:31 -0700
-

Hi to all

i have this Question that says find the region where the function is analytic and i have 4 functions

the thing is that i checked my notes and trying to solve it with my partner and the thing is that what we know is

- 1) i have to differentiate the function
- 2) check where it equals zero
- 3) the function is analytic everywhere accept at the points that makes the denominator equals to zero.....

please if someone can explain the right way to solve this problem

1) $s/(s-1)$
is analytic at every point except 1.

2) matrix $[1/(s+1) \ s/((s+2)(s+4))]$
 $[1 \ 0]$

is analytic at every point except $\{-1,-2,-4\}$

3) $1/(s+1)^{(3/2)}$

is analytic at every point except -1 .

=====

thanks to all for the help..... :)

.