

TOGETHER WE CAN ACHIEVE MORE

COURSE NAME: Math-3

CHAPTER: 7.3

SOLVED BY

NAME: Rupa Paul



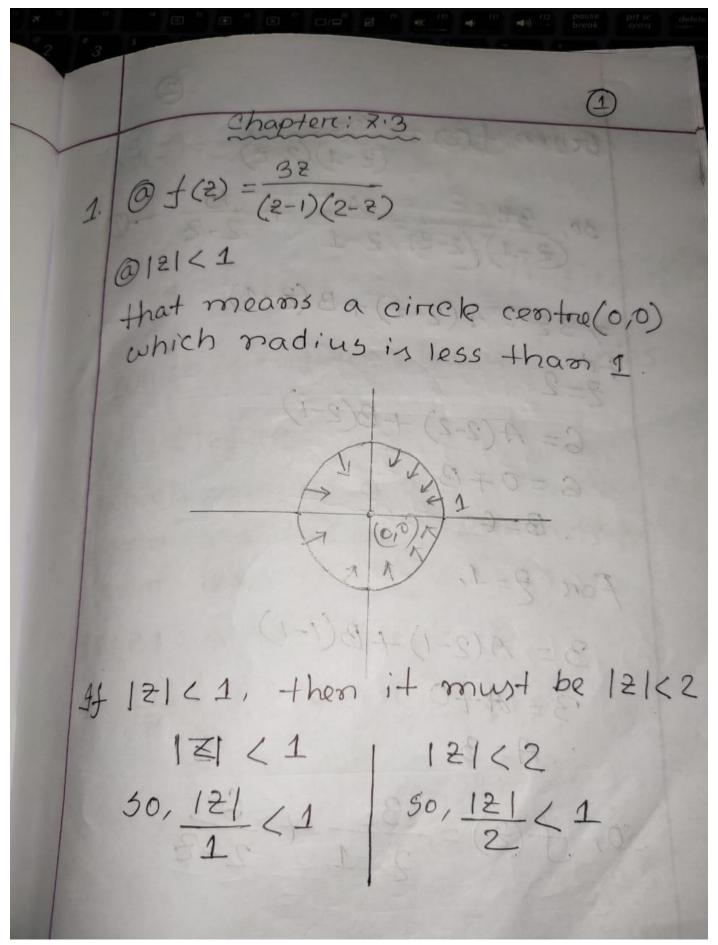
AIUB COURSE SOLUTION-ACS

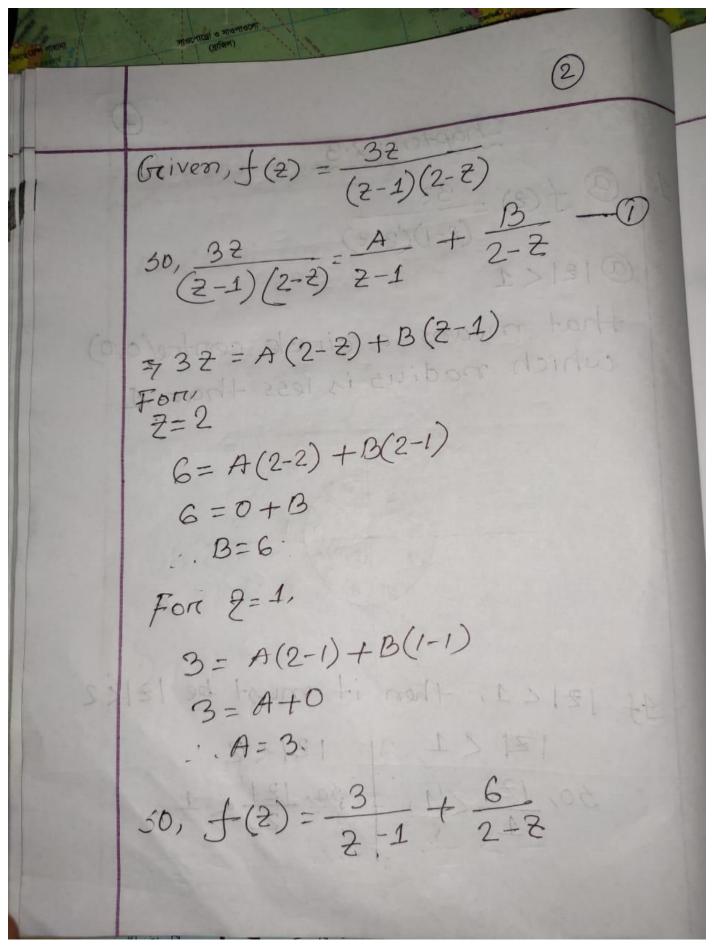
LINK = https://www.youtube.com/channel/UCC3KjA8kstFtM-2CxVr-jcg

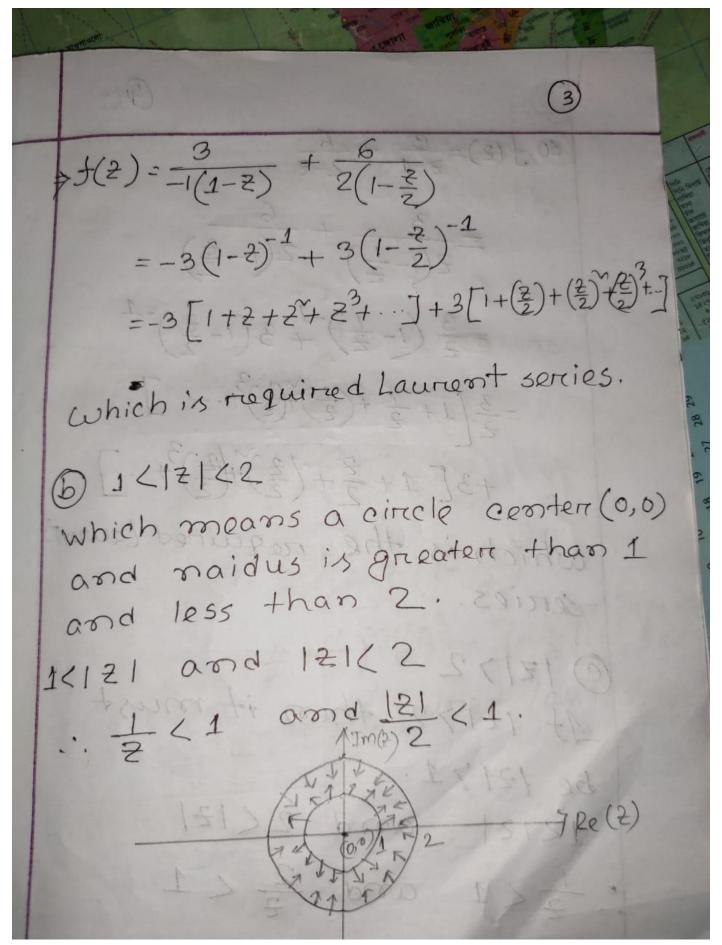


AIUB COURSE SOLUTION

LINK= https://www.facebook.com/groups/aiubcoursesolution/







50,
$$f(2) = \frac{3}{2-1} + \frac{6}{2-2}$$

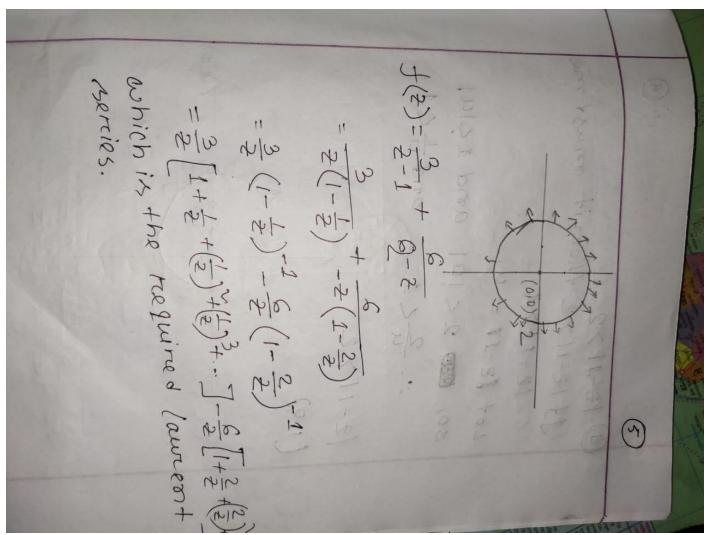
$$= \frac{3}{2(1-\frac{1}{2})} + \frac{6}{2(1-\frac{3}{2})}$$

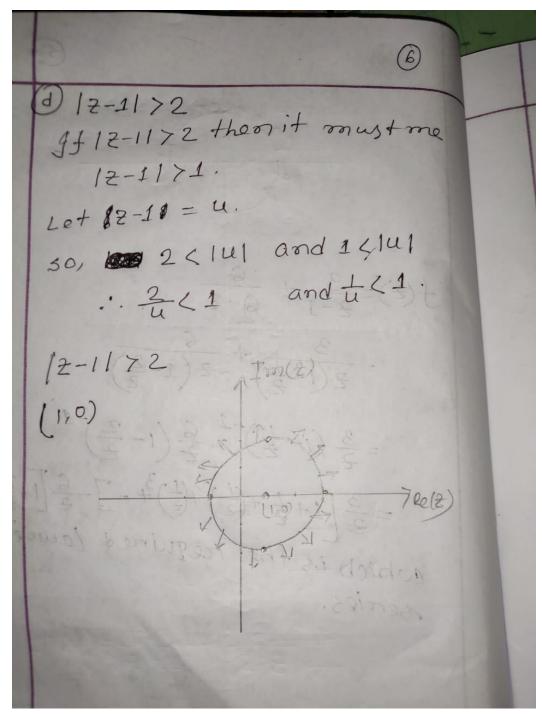
$$= \frac{3}{2}(1-\frac{1}{2})^{-1} + 3(1-\frac{3}{2})$$

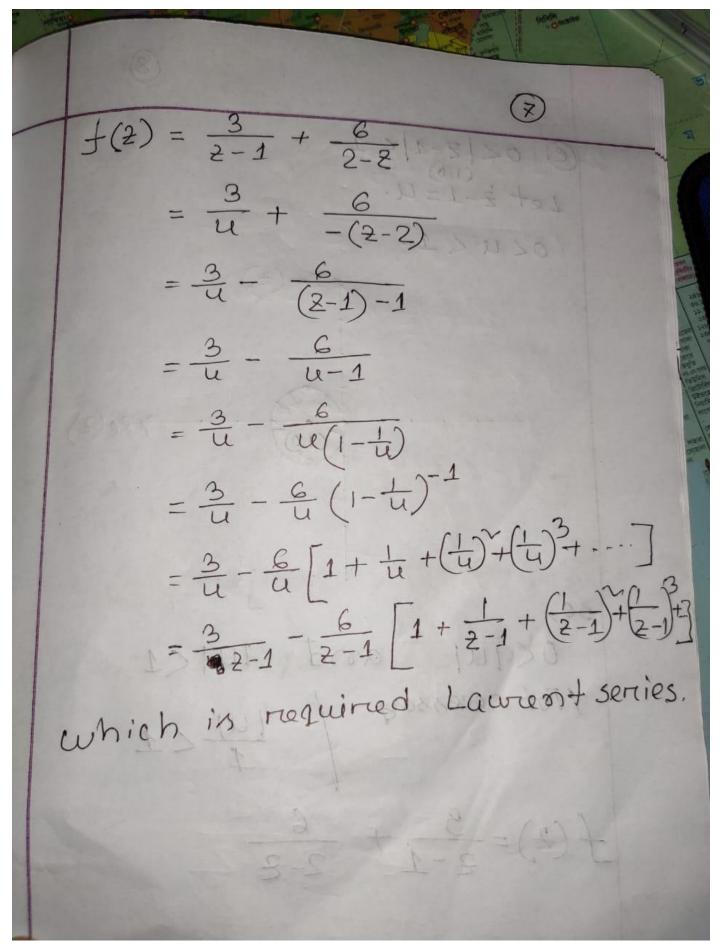
$$= \frac{3}{2}\left[1+\frac{1}{2}+(\frac{1}{2})^{+1}+\frac{3}{2}+\dots\right]$$

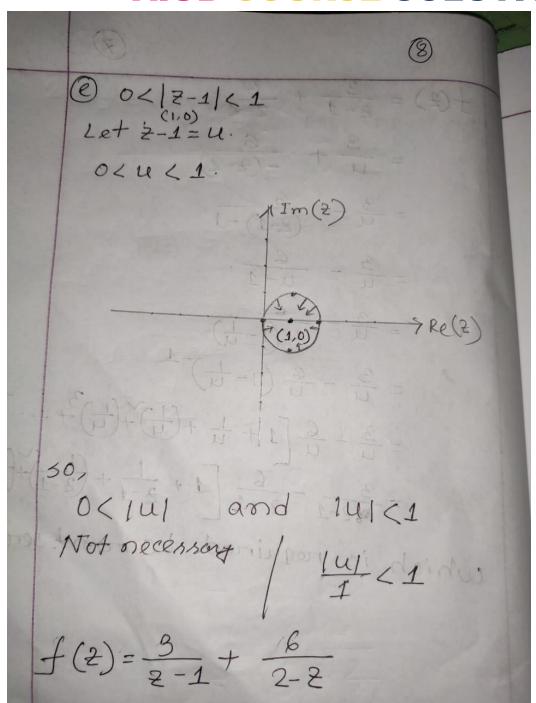
$$+3\left[1+\frac{3}{2}+(\frac{1}{2})^{+1}+\frac{3}{2}+\dots\right]$$
which is the required lawrent series.

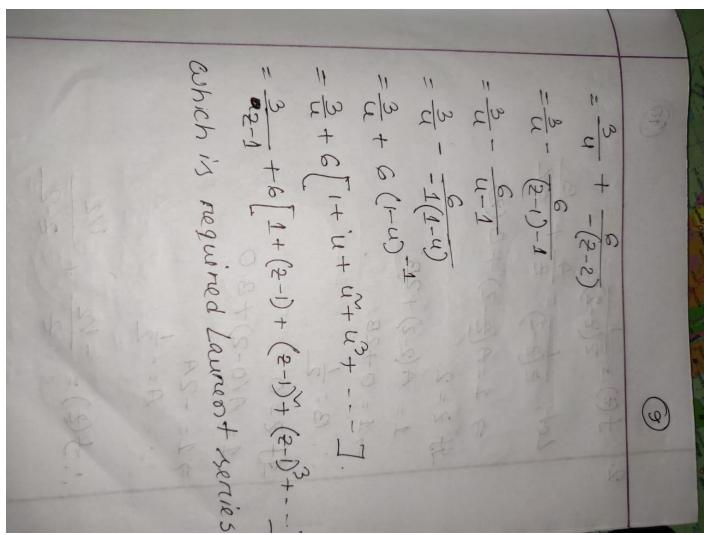
© 12172 then it must be 12172 then it must be 12171 and $2(121)$ $1<121$ and $2(121)$ $1<121$ and $2(121)$ $1<121$ and $2(121)$ $1<121$ and $2(121)$











2.
$$f(z) = \frac{1}{z(z-2)}$$

Let, $\frac{1}{z(z-2)} = \frac{A}{z} + \frac{B}{z-2}$
 $\Rightarrow 1 = A(z-2) + B.(z)$
 $f(z) = 2$
 $f(z) =$

