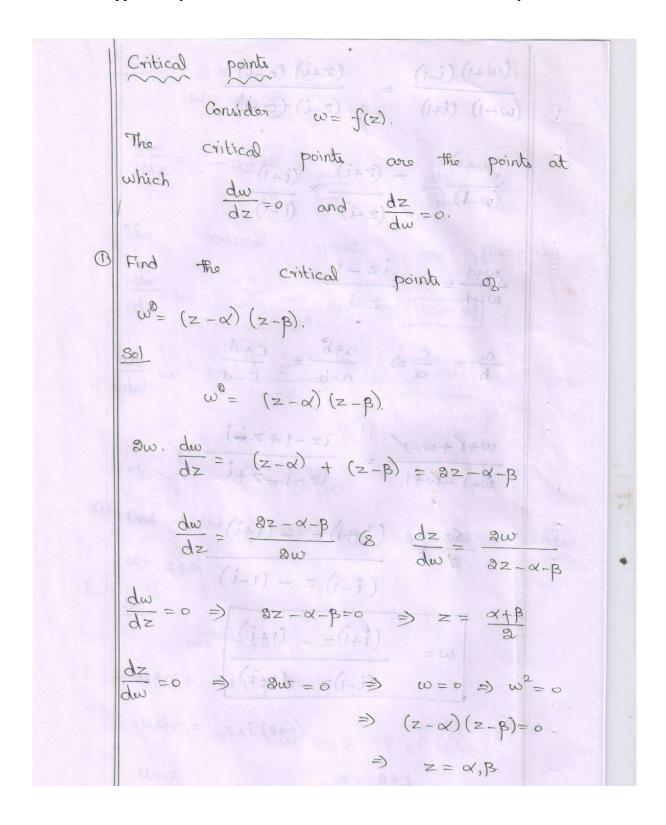


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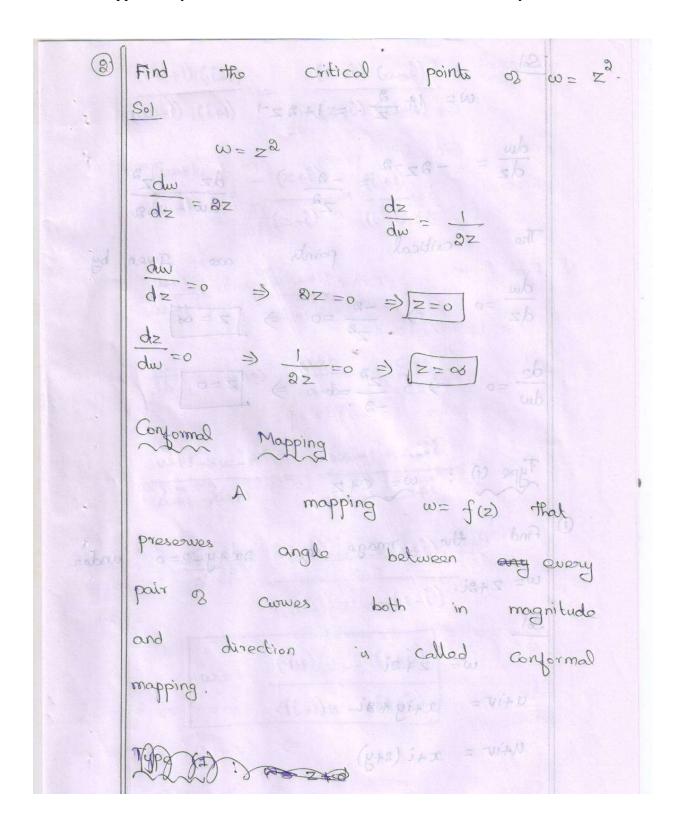




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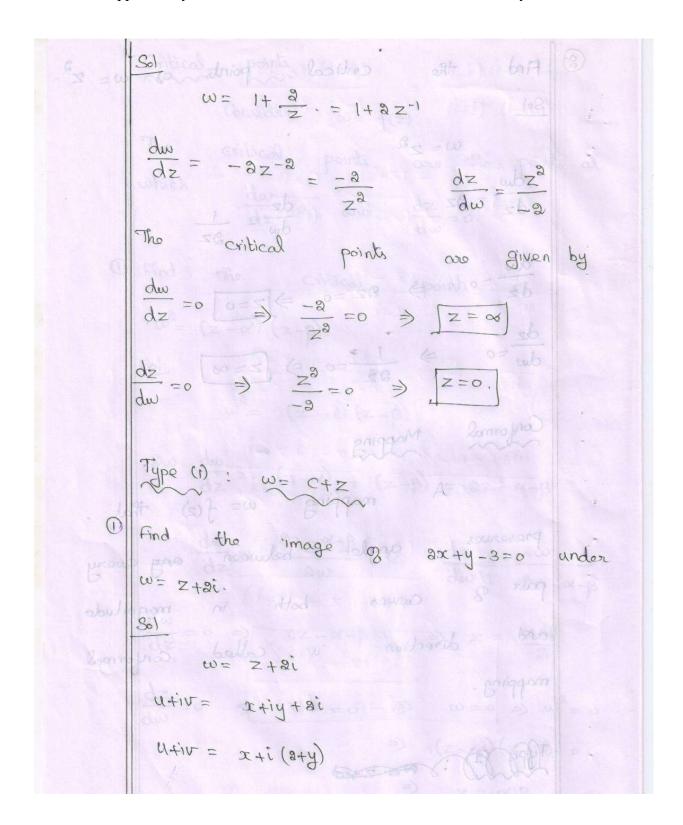


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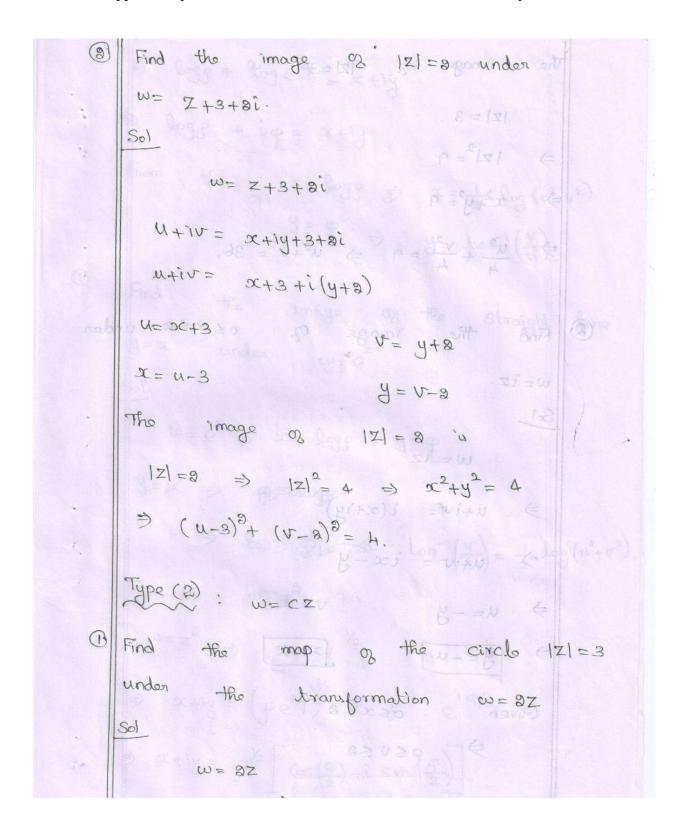


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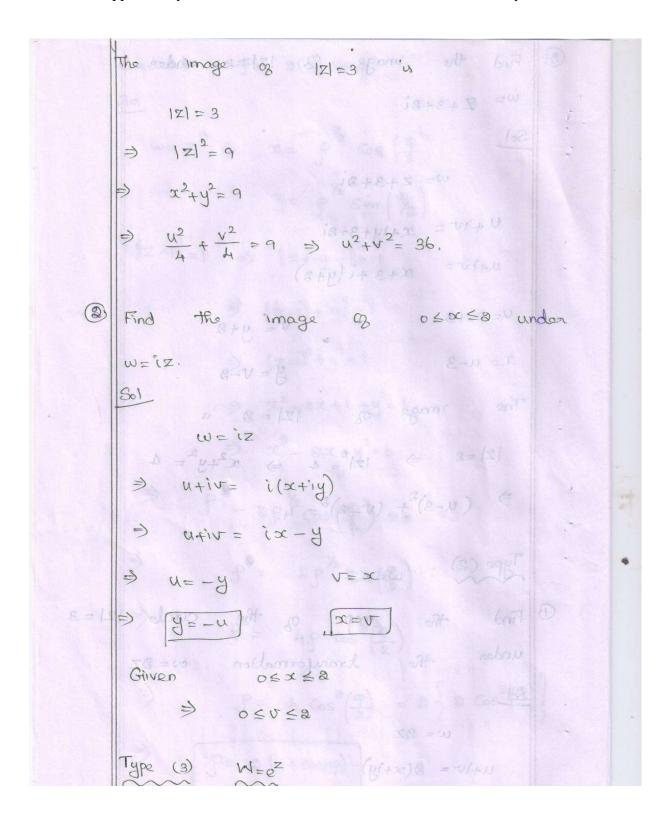


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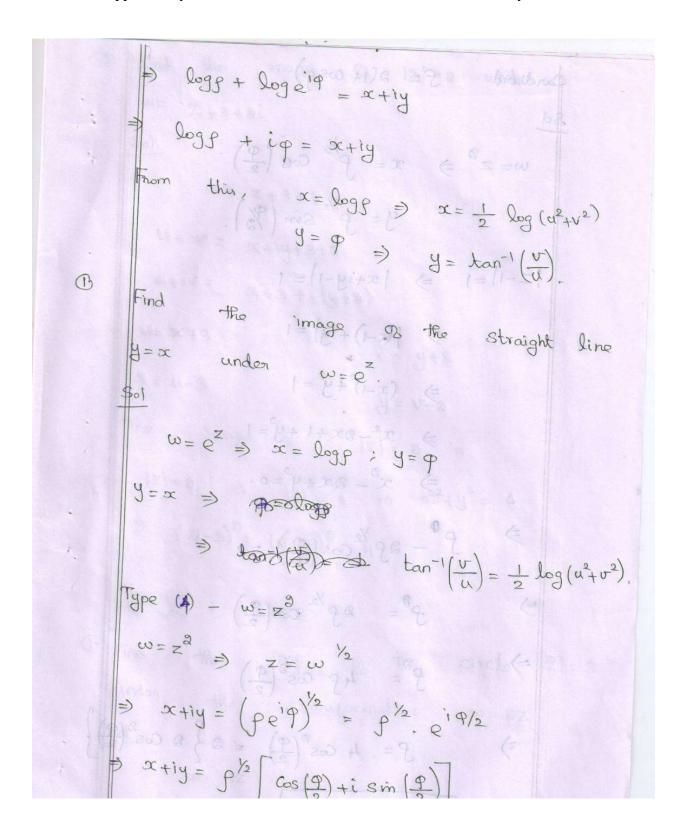


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Cardioid
$$\mathcal{G} = 3(1+\cos\varphi)$$
 $\omega = z^3 \Rightarrow x = \int^2 \cos\left(\frac{\varphi}{2}\right)$
 $y = \int^2 \sin\left(\frac{\varphi}{2}\right)$
 $y = \int^2 \cos\left(\frac{\varphi}{2}\right)$
 $y = \int^2 \cos\left(\frac{\varphi}{2}\right)$

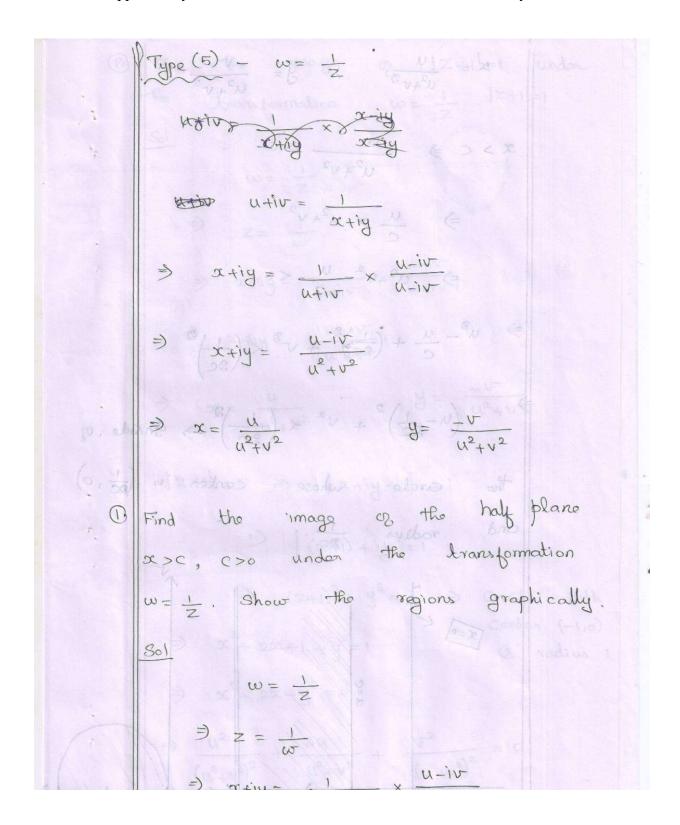


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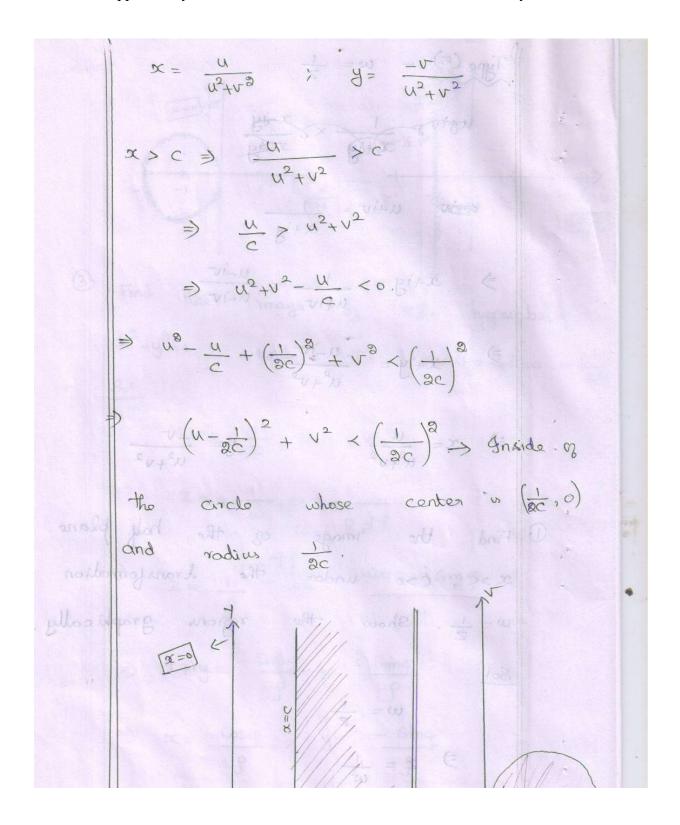


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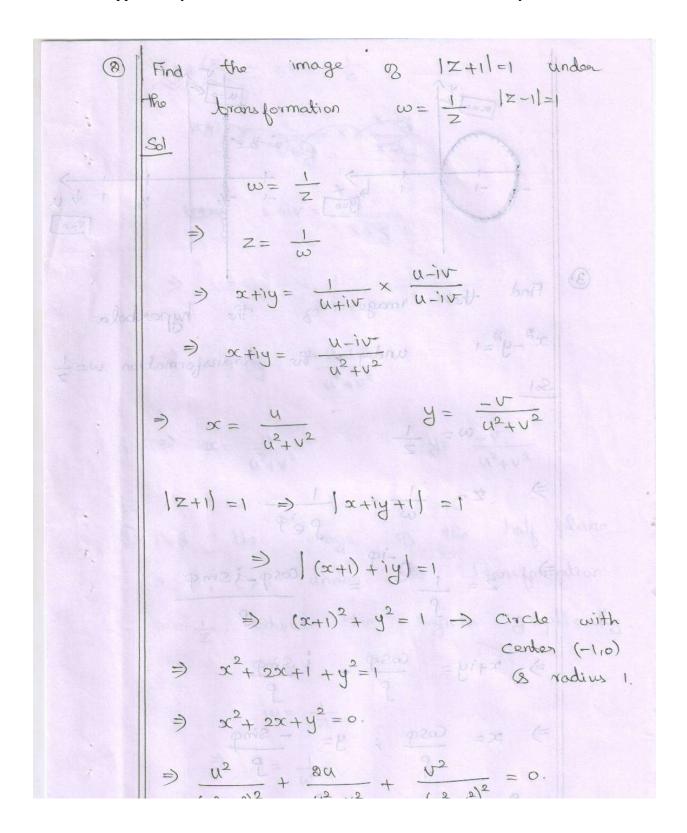


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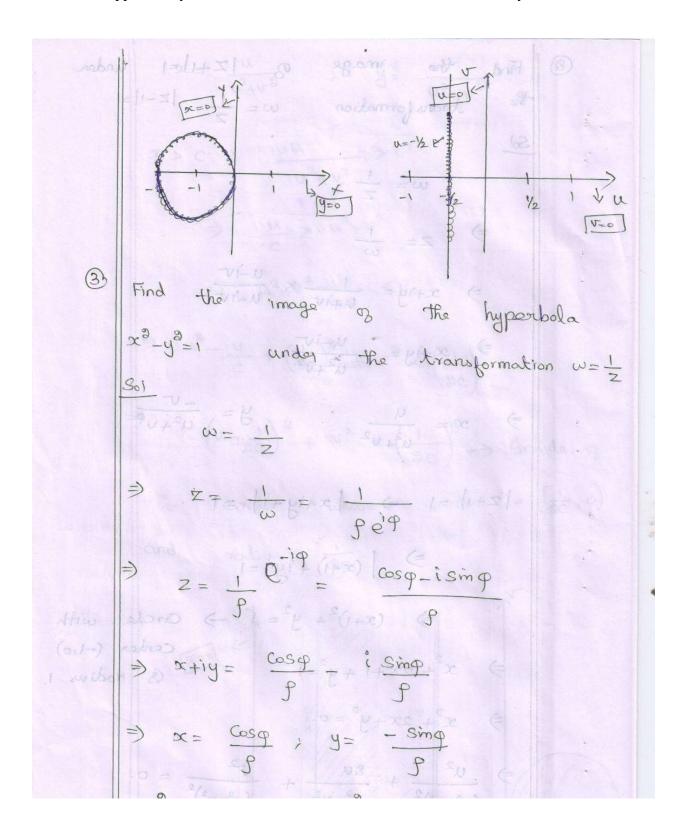


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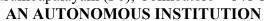


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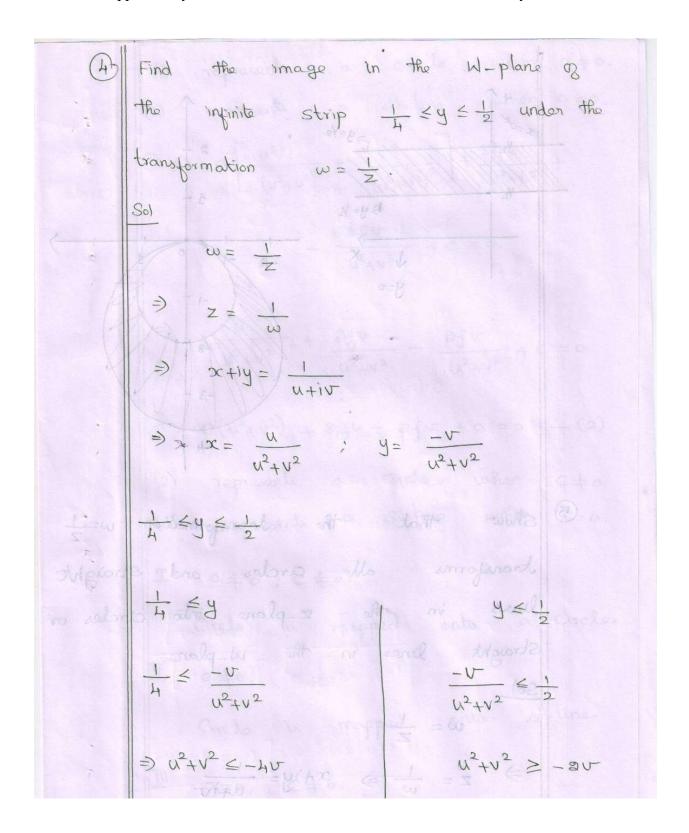


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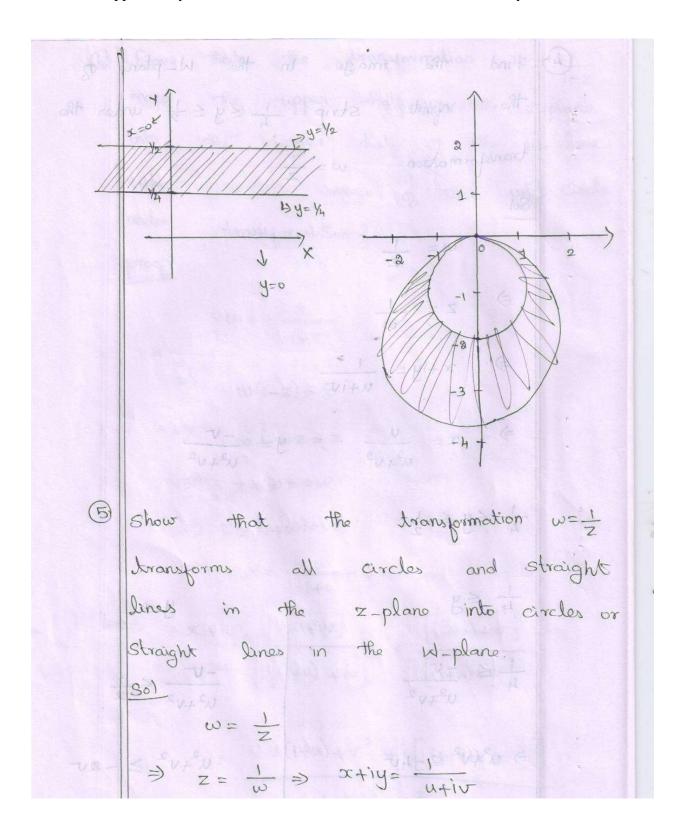


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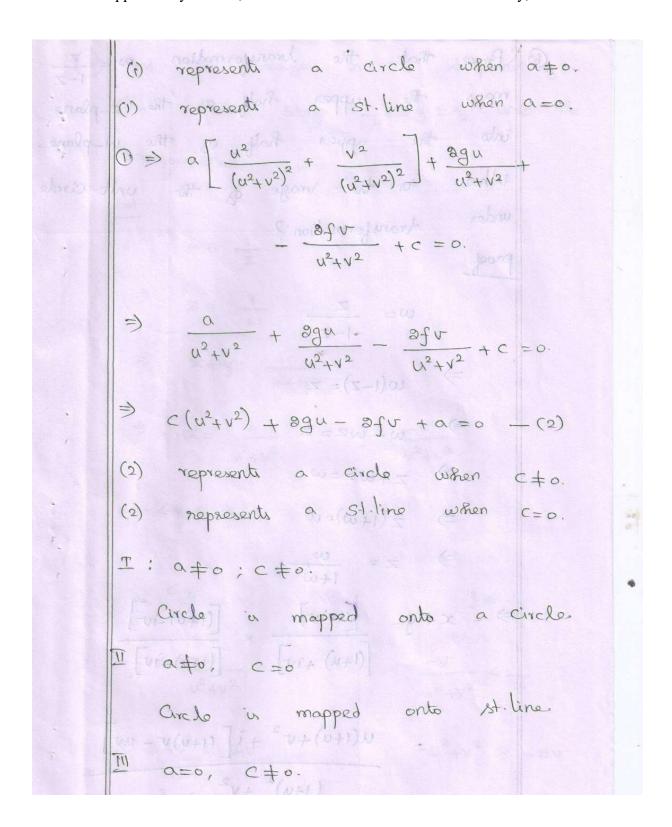




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| B Pa | rove that the transformation $w = \frac{z}{1-z}$ |
|----------|--|
| o o o | upper half of the z-plane |
| Ent | the upper half of the W-plane. |
| | hat is the image of the unit circle |
| lund | transformation? |
| pro | L CANONIC CONTRACTOR OF THE CO |
| | $\omega = \frac{z}{1-z^3}$ |
| 95 3.4 | 5×4°0 5×4°0 5 60°0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| (0) | $\omega(1-2)=2$ |
| | $\omega = \omega = \omega = z$ |
| | Z+wz=w dissinger (c) |
| 5 43 120 | \Rightarrow $z(1+\omega)=\omega$ |
| | $= \frac{\omega}{1+\omega^2 + 5} = \frac{\omega}{1+\omega^2 + 5}$ |
| solon 3 | $x + ig = [u + iv] \times [(1+u) - iv]$ |
| | [(1+u) +iv] × [(1+u)=iv] |
| -en/-ta | $= \frac{4(1+\alpha)+v^2+i\left[(1+\alpha)v-\alpha v\right]}{2}$ |

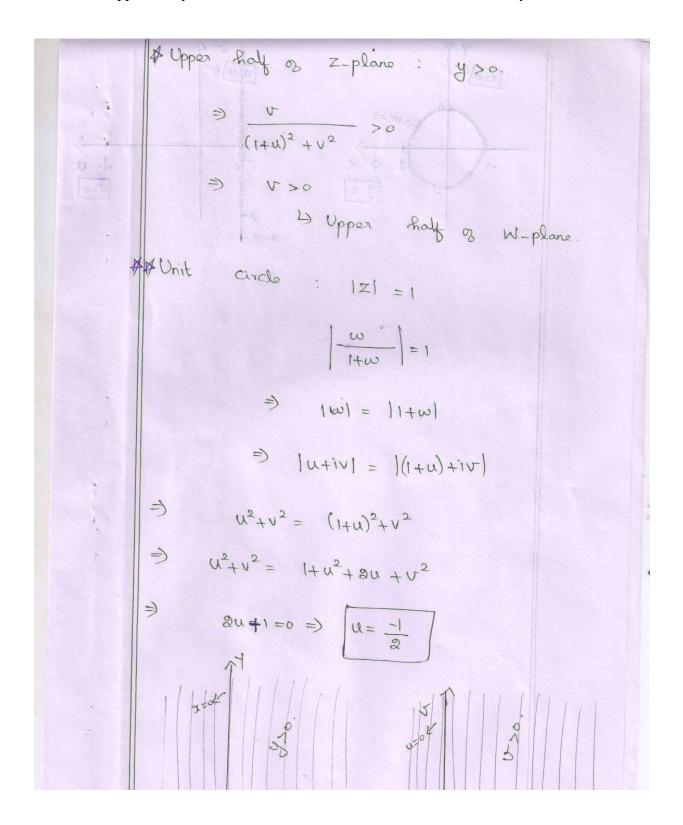


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