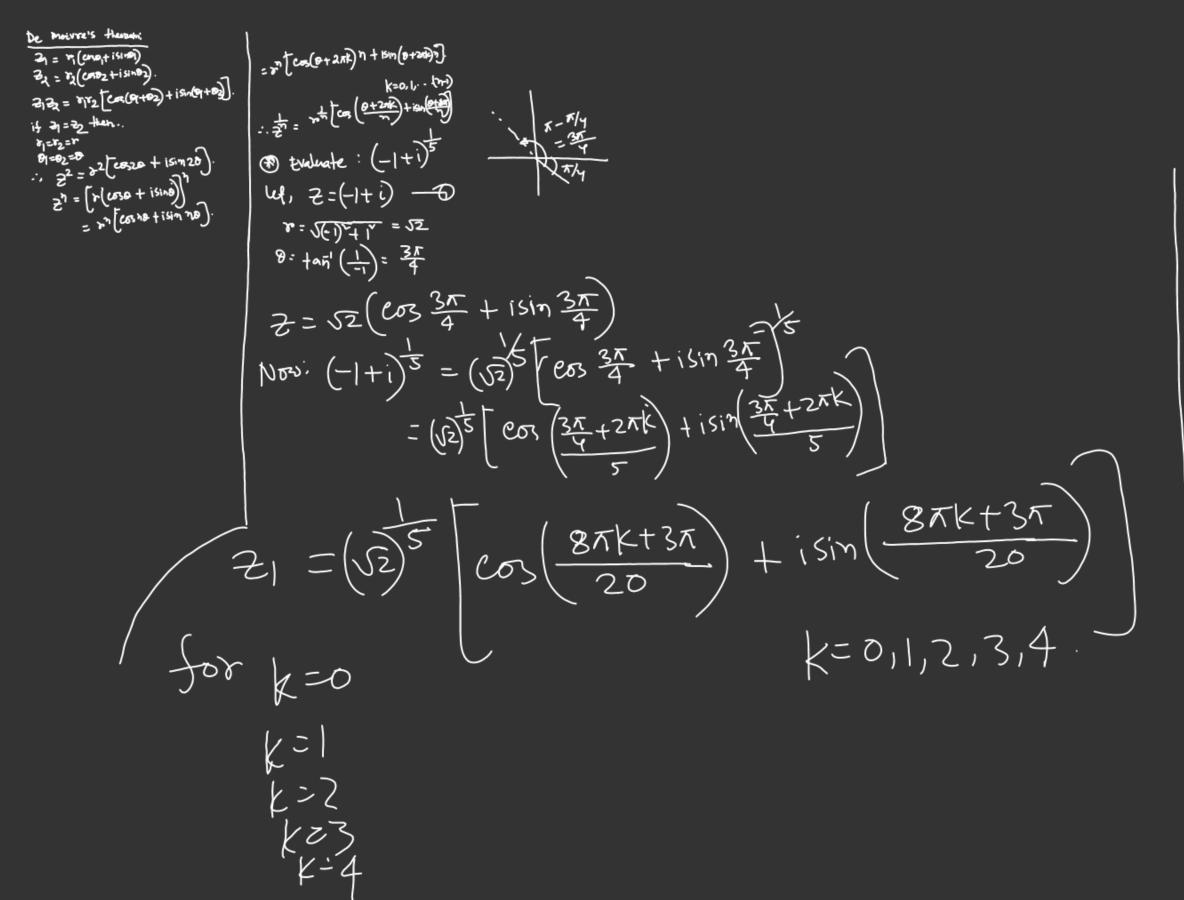
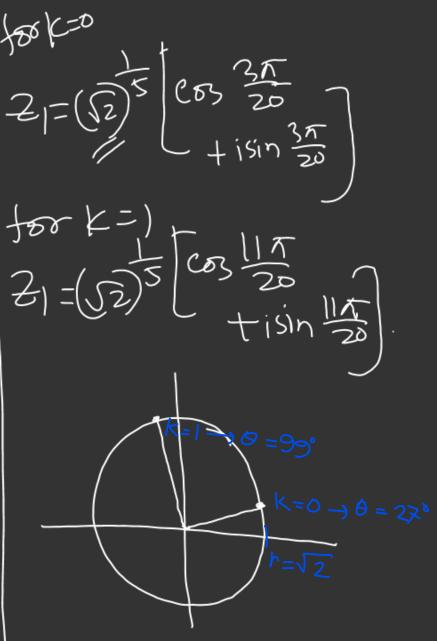
そこべ+は 2=x+ix Q= tari (3/2) Real Axis
Argument Real pant 21= Jxxty 化=10030 y = & sing. 32* = (x+i3)(x-i3) -. 7= rcoso + irsino = re [essa+isina] = > eio -> Eulen 4 £'= Z. Z* 21+22= (x+x2)+i(2+62) 21-32 = 24+131-25-12=(x4-25)+1(21-25) Z1 = x1+i31 32= X2+182 31.55 = (x1+12) (x2+12) こつイスマナはかとナッストラリラ = (x1x2-2125) + : (x125+x521)

$$\begin{aligned}
21 &= r_1 e s p_1 + i r_1 s i n p_1 \\
22 &= r_2 e s p_2 + i p_2 s i n p_2 \\
21 &= r_3 (e s p_1 + i s i n p_1) \\
&= r_1 r_2 (e s p_2 + i s i n p_3) \\
&= r_1 r_2 (e s p_3 + i s i n p_3) \\
&= r_1 r_2 (e s p_4 + i s i n p_3) (e s p_4) \\
&= r_1 r_2 (e s r_3 (e s p_4) - s i n p_3 r_3 n p_2) \\
&= r_1 r_2 (e s r_3 (e r_3 + e s p_4) + i s r_3 (e r_3 + e s p_4) \\
&= r_1 r_2 (e r_3 (e r_4 + e r_3) + i s r_4) (e r_4 - e r_3) \\
&= r_1 r_2 (e r_3 (e r_4 + e r_4) + i s r_4) (e r_4 - e r_3) \\
&= r_1 r_2 (e r_3 (e r_4 + e r_4) + i s r_4) (e r_4 - e r_3) \\
&= r_1 r_2 (e r_4 - e r_4) (e r_4 - e r_4) \\
&= r_1 r_2 (e r_4 - e r_4) (e r_4 - e r_4) \\
&= r_1 r_2 (e r_4 - e r_4) (e r_4 - e r_4) \\
&= r_1 r_2 (e r_4 - e r_4) (e r_4 - e r_4) \\
&= r_1 r_2 (e r_4 - e r_4) (e r_4 - e r_4) \\
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&= r_1 r_2 (e r_4 - e r_4) (e r_4 - e r_4) (e r_4 - e r_4) \\
&= r_1 r_2 (e r_4 - e r_4) (e r_4 - e r_4) (e r_4 - e r_4) \\
&= r_1 r_2 (e r_4 - e r_4) \\
&= r_1 r_2 (e r_4 - e r_4) (e r_4 -$$





(A) Greaph the Sollowing eq.
$$2 = x + iy$$

(B) $|z-2|=|z+4|$

(D) $|z-3|+|z+3|=|0$

(E) $|z-3|+|z+3|=|0$

$$= \int (x-2)^{2} + y^{2} = \int (x+4)^{2} + y^{2}$$

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$$=$$

Function, Limit & continuity.

$$\begin{aligned}
f(z) &= f(x+iy) = u(x,y) + iv(x,y) \\
f(z) &= simz \\
f(x+iy) &= sin(x+iy) \\
&= sinx cosiy + cosx siniy \\
&= sinx \frac{1}{2} \left[e^{y} + e^{y} \right] + cosx \frac{1}{2i} \left[e^{y} + e^{y} \right] \\
&= sinx coshy + i cosx sinhy \\
&= u(x,y) + i v(x,y).
\end{aligned}$$

$$e^{i\theta} = cos\theta + isin\theta$$

$$= i\theta = cos\theta - isin\theta$$

$$= cos\theta = \frac{1}{2}(e^{i\theta} + e^{i\theta})$$

$$= -i$$

$$=$$

= isinh&-

$$\frac{1}{y(3)} = \lim_{d \to \infty} \frac{1}{(2\pi + 2)^{2} + (3)}{(2\pi + 2)^{2} + (2\pi + 2)} = \frac{1}{(2\pi + 2)^{2} + (2\pi + 2)^{2}} = \frac{1}{(2\pi + 2)^{2} + (2\pi + 2)^{2} + (2\pi + 2)^{2}} = \frac{1}{(2\pi + 2)^{2} + (2\pi + 2)^{2} + ($$