

(a) Sation approximated
$$\overline{M} = \frac{1}{2}$$

Vi when at most like has now solds subtract, side in the factority broken

 $2n^2 = n^2$

Sold at m me very et partill, now som ingliser at m expect of $n = 2$

Part vall. $n^2 = n^2$

Solden is the best of at m expect of partill, now som $n = 2$

Delle best ser associated at the expectation of $n = 2$

And $n =$

$$Z = \frac{1}{2} \cdot \frac{1}{2} \cdot$$

$$\begin{cases}
(\delta) = \frac{\cos \theta + i \sin \theta}{e^{i\theta}} \\
\delta'(\delta) = \frac{(\cos \theta + i \sin \theta)^{i\theta} - (\cos \theta + i \sin \theta)^{i\theta}}{(e^{i\theta})^{3}} \\
-\frac{\sin \theta}{2\pi} + \frac{\cos \theta}{2\pi} - \frac{\cos \theta}{2\pi} + \frac{\cos \theta}{2\pi}
\end{cases}$$

w= 1+ J3/i

0= arccos(1) - II -> Qeit

 $\widehat{\mathbb{C}} \quad \text{Zw=} \widehat{\mathbb{Q}} e^{i\frac{\pi}{4}} \cdot 2 e^{\frac{\pi}{4}i} = \sqrt{2} \cdot 2 e^{i\left(\frac{\pi}{4} + \frac{\overline{\mu}}{3}\right)} = \sqrt{2} \cdot 2 e^{-\frac{\pi}{4}i}$

 $\frac{Z}{v} = \sqrt{2}e^{i\frac{\pi}{4}}/2e^{i\frac{\pi}{4}} = \frac{10}{2}e^{i(\frac{\pi}{4} - \frac{\pi}{3})} = \frac{10}{2}e^{-i\frac{\pi}{12}}$

/z = \(12 + 12 = \(\text{Z} \)

(w) = 512+132 = 597=2 $\theta = \arccos\left(\frac{1}{2}\right) = \frac{1}{3}$

$$=\frac{-1:\sqrt{3}}{2}=-\frac{1}{2}$$

$$-\frac{5/n0 \times i\cos 0}{e^{i0}} = \frac{1}{e^{-10}}$$

$$e^{i0}$$

$$e^{i0}$$

$$e^{i0}$$

$$e^{i0}$$

$$e^{i0}$$

$$e^{i0}$$

$$e^{i0}$$

(16) |z|2=|z1|

1221 = \((a2+6))1 = a2+62



