EKSPONEN(. ZAPIS

Eig - cosq+ising

 $Z = \Gamma \cdot (\cos \varphi + i \sin \varphi)$ $Z = \Gamma \cdot e^{i\varphi} \quad \text{elsoponency'alan zeroin}$

V = |z| C = arg z

 $\frac{7}{2} = \frac{\sqrt{2}}{2} \cdot \frac{\sqrt{2}}{2} \cdot \frac{\sqrt{2}}{2} = \frac{\sqrt{2}}{4} \cdot \frac{\sqrt{2}}{4} = 1$

 $\frac{2}{2} = \frac{2}{2} = -1 \quad \text{()} = \frac{31}{4} = \frac{31}{4}$

WRINEDI:

(1)
$$arg 2 = -arg 2 (+2kT)$$
(2) $arg (-2) = T + arg 2 (+2kT)$
(3) $arg (c \cdot 2) = arg c + arg 2$

$$= \int o + arg 2, \quad c < o$$
(4) $arg (i \cdot 2) = arg i + arg 2 = \frac{\pi}{2} + arg 2$

$$= \frac{\pi}{2} + arg i + arg 2 = \frac{\pi}{2} + arg 2$$
(b) Shicirajk are 2 ∈ (t +d. |2+2|=1)

c) Nadik Ave 2 ∈ (t +d arg (2)) = $\frac{\pi}{2}$; (2+2|=1)

a) $arg (2^3) = \frac{\pi}{2} + 2kT$
it $3Q = \frac{\pi}{2} + 2kT$

$$3arg 2 = \frac{\pi}{2} + 2kT$$

$$3arg 2 = \frac{\pi}{2} + 2kT$$

$$arg 2 = \frac{\pi}{2} + 2kT$$

$$3arg 2 = \frac{\pi}{2} + 2kT$$

$$arg 3 = \frac{\pi}{2} + \frac{\pi}{2}$$

1 2 = 13 as 5T

2ad.) Odredile me kompt: Inglere 2. Lose jo

$$2^{2} + \frac{1}{2^{2}} = -1$$
 $2^{2} + \frac{1}{2^{2}} = -1/2^{2}$

Sups. $t = 2^{2}$
 $t^{2} + t + 1 = 0$
 $t^{2} +$

Fad.) Rijioite jaduatost:
$$2^{6} = \overline{2} (1-i)$$

Jeanahost dwa komplekma kroja. $|2,1|=|2,1|$
 $|2=r \text{ case}|$
 $|2^{6}|=|\overline{2}(1-i)|$
 $|2^{6}|=|2^{6}|=|2^{6}|$
 $|2^{6}|=|2^{6}|=|2^{6}|$
 $|2^{6}|=|2^{6}|=|2^{6}|$
 $|2^{6}|=|2^{6}|=|2^{6}|$
 $|2^{6}|=|2^{6}|=|2^{6}|$
 $|2^{6}|=|2^{6}|=|2^{6}|$
 $|2^{6}|=|2^{6}|=|2^{6}|$
 $|2^{6}|=|2^{6}|=|2$

