3, 4, ... 24

2 4-3 +1= 22

$$|7^{2} = (1-9)^{2} + (-2-c)^{2}$$

$$= 8$$

$$8 - |5 - 17|$$

-2-(=17=) (=-19 -2-(=-17=) (=15

9+ ((

1-7:

 $(-7-c)^2 = 17^2$

$$\frac{1}{1+1} = \frac{14^{i}}{2}$$

$$\frac{1+2+i}{4+i} = \frac{7+i}{5} = \frac{3}{5}$$

$$7 = \alpha + bi$$

$$|\alpha - 2 + bi| = |\alpha + 1 + bi|$$

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

$$(\alpha - 2)^{2} - (\alpha + i)^{2} = 0$$

$$(\alpha - 2 + \alpha + 1)(\alpha - 2 = \alpha - 1) = 0$$

2 a= 1 =) a= = 1 / All 2 with Pe(2)=== 1

12-2 = 12+1

(4)

$$a + a^{2020} = 0$$

$$a(1 + a^{2019}) = 0$$

$$a = 0$$

$$a^{2019} = -1$$

$$\frac{7}{40} = \frac{6}{40} + \frac{1}{10} = \frac{40}{2} = \frac{40}{400} = \frac{400}{400} = \frac{400}{400} = \frac{400}{400} = \frac{400}{400} = \frac{400}{400} = \frac{400}{400} = \frac{400}{200} =$$

そこみずらし

$$(x_{12} - 1)(x_{12} + 1) = 0$$

$$\chi_{30} = 1$$

(8)
$$C = (a+bi)^3 - (07i)$$

 $C = (a+bi)^3 - (07i)$
 $C = (a^3 + 3a^2bi - 3a^2b^2 - b^3i - 47i)$
 $C = (a^3 - 3ab^2 + 3a^2bi - b^3i)$

107= b(3a2-b2) b=1 (= a(a? 3b?)

c = 6 (36-3) = 6.33 -[198] a =6

(9)
$$A = 20 + 40i$$
 $b = -14 + 6i$
 $(20 + 40i)(-14 - 6i)$

$$\frac{7}{5} = \frac{20440i}{-144(i)} = \frac{(20440i)(-14-(i))}{19040i}$$

$$= \frac{-280 - 560i - 20ci + 40c}{100i}$$

-280 +40c = 0

 \Rightarrow c=7

$$\frac{7^{24} = 1}{7^{24}}$$

$$\frac{7^$$

$$\frac{11}{2} = 64 \qquad 64^{1/n} = \sqrt{2}$$

$$\frac{7}{7} = \sqrt{2} \left(\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \right)$$

$$k = 0, 1, 2, \frac{3}{1} + \frac{1}{5}, \frac{3}{18}, \frac{4}{12}, \frac{10}{12}$$

$$= 2 \sqrt{2} + \sqrt{6}$$

$$= 2 \sqrt{2} + \sqrt{6}$$

2 2011 TU, TV d= 7/438 五人 6 亿亿 2002 C6 24038d ユレスルと 2019日 (ス+2水k) フレスト (2+4k) (1+4k) (2019日 (2+4k)) (2+4k)

$$20012$$
 $(20252, 20262)$ 2020 505 $(20252, 20262)$ 2020 500

2 cont,

(4034x, 4038x) 505 5052

$$\frac{1}{2} = \frac{1}{3} = \frac{1}{3} = \frac{1}{3}$$
 $(\frac{1}{3})^{11} = \frac{7}{4}$

7143 = Z = 7 Z(Z"-1)=0

 $Z = cis\left(\frac{2\pi k}{142}\right) = cis\left(\frac{2\pi k}{71}\right)$