4) f) (1+i) 6 5 4/ VA VA = 1/1 = 12 fr - 43 311 J-11 见。如

=-29(=-32i

(24)
$$2^{2} = \frac{1}{2}$$

(24) $2^{2} = \frac{1}{2}$
 2

d) (11) 4 (101) 6 (4+6) 6 - (1+i) 6 ((1+i) 4) =

$$\frac{d}{dt} = \frac{1}{2} \left(\frac{1}{2} \left$$

-8 (con + time) = 202: (con + time)

a)
$$2z+(3-i)z=5+4i$$

$$2(a+b)+(3-i)(a-b)=5+4i$$

$$2a+b=5$$

$$-a-b=4$$

$$4=3$$

$$6) 2+i(b+1)=a+i(b+1)$$

$$a=a$$

$$b=6+1=-6-1$$

$$2b=2$$

$$6>1$$

$$a+bi+b=3$$

$$a+i(b+1)=a+i(b+1)$$

$$a=a$$

$$b=6+1=-6-1$$

$$2a-1-6=1$$

$$2b=2$$

$$6>1$$

$$a+bi+b=3$$

$$a+b+b=4$$

$$a+b+b=3$$

$$a+b+b$$

 $a^2 = 2$

a Ja+i v-J2+i

a=12 v a=-12

e)
$$\frac{1+i}{z} = \frac{2-bi}{\overline{z}}$$

$$(a+b)+(a-b)i = (2a+bb)+(2b-ba)i$$

2 #0

Grah vorlingun

$$(a-4a+6+26)+i(-a+6-46-2a)=(-1+2-4)+i(2-4-2)$$

 $(-3a+36)+i(-3a-36)=-3$

$$t_1 = \frac{2 - 8i\sqrt{3}}{x}$$

La+ Kit

4.7) Q+ a+67= \$44i 1a2+62 + a+6i= 8+4i

at

$$(4.9/h)$$
 $(2+2)^2 = (z+2)^2$

$$\left(\frac{2+2}{2+2}\right)^2 = 0$$

$$\frac{Z+2}{z+2} - \sqrt{1 = 41 - 1}$$

$$\int a^{2}+b^{2} + a+bi = S + hi$$

$$\int \sqrt{a^{2}+b^{2}} + a = S$$

$$\int 6k = hk$$

$$\sqrt{a^{2}+16} + a = S$$

$$\frac{a^2 + 16 - a^2}{\sqrt{a^2 + 16} - a} = 8$$

$$2\sqrt{a^2+16} = 10$$

$$\sqrt{a^2+16} = 5$$

$$|a^2+16| = 25$$

$$a^{2}+16=25 \times a^{2}+16=25$$
 $a^{2}=9 \times a^{2}\neq 41$

$$a^2-b^2+2abi = -M-60i$$

$$\int a^{2} - b^{2} + \lambda db = -11 - 60i$$

$$\int a^{2} + b^{2} = 61$$

$$a^2 = 25$$
 $a = 5$
 $va = -5$

$$(a+bi+2)^2 = (a-bi+2)^2$$

gt + abi + 2a + abi + - 15 + 2bi + 2a + 2bi + 4 = gt - abi + 2e - abi - 16 - 2bi + 2a - 26i + 2

112 +602 = 161

$$\sqrt{-8i} = \sqrt{-8(0-1i)} = \sqrt{8(\omega_{2}+i)\sin_{\frac{\pi}{4}}} = 2\sqrt{2(\omega_{2}+i)\sin_{\frac{\pi}{4}})}$$

$$\tau(\omega_{1}+i)\sin_{\frac{\pi}{4}})$$

$$\tau(\omega_{1}+i)\sin_{\frac{\pi}{4}})$$

$$\sin \theta = \frac{6}{10} = \frac{3}{5}$$

$$\cos \theta = \frac{4}{5}$$

$$(a+bi)^2 = -9-6i$$

 $a^2-b^2 + 2abi = -9-6i$
 $a^2+b^2 + 10$