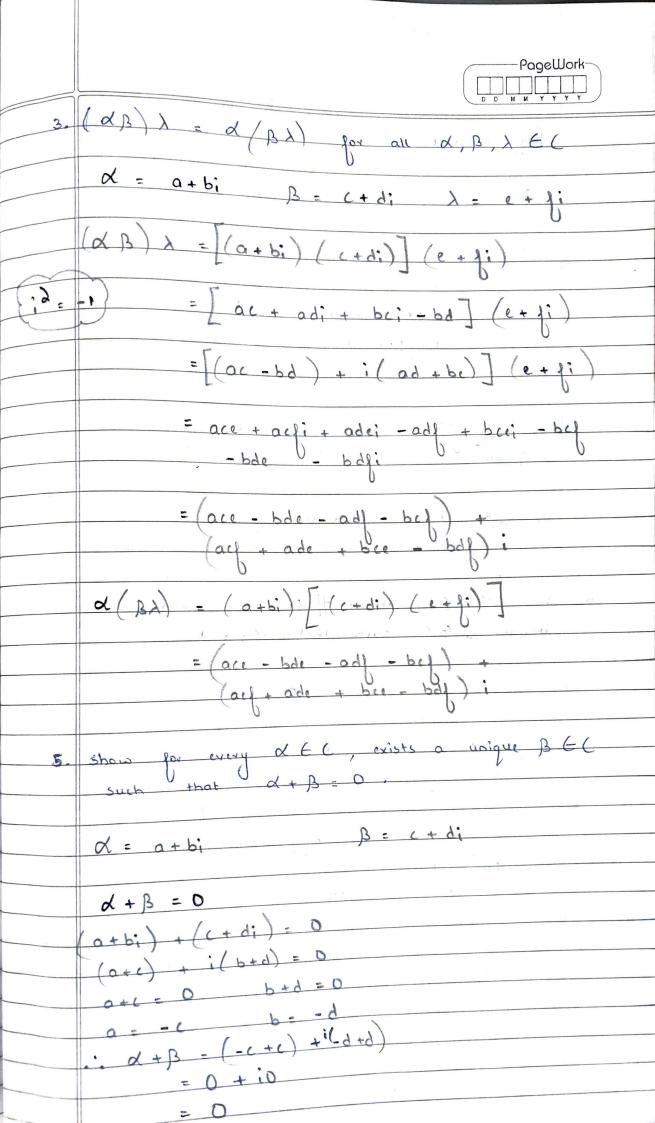
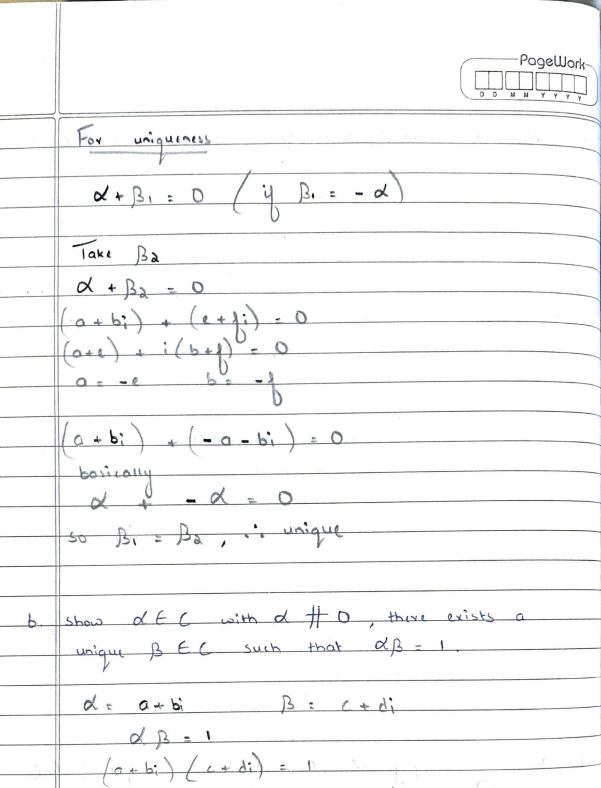


Say d = (a+bi) a,b & C B = (c+di) c,d & C $(\alpha + \beta = (\alpha + bi) + (c + di)$ $(\alpha + c) + i(b + d)$ = (c+a) + i (d+b) = (c+di) + (a+bi)= B + d 10 mg a. Show that (x + B) + X - x + (B+ x) for d = a + bi a, b & C (d+B)+ \(\delta - (a+b; + (+d;) + (++1;) \)
= (a+(++2)+i(b+d+1) + (++1;) \)
= (a+(++2)+i(b+d+1) + (++1;) \) d (3+2) = (a+bi) + (c+di + e+ji) = (a+bi) + c+e + i(d+j) = (a++++) + i (b+d+)





$$(a + ad) + b(i - bd = 1)$$

$$(a + bd) + i(ad + bc) = 1 + 0;$$

$$ac - bd = 1 \rightarrow 0$$

od + bc =
$$0 \rightarrow a$$

Solving (remember & # D. . a and b = 0

and = -be -> 3 from (a)

b a

