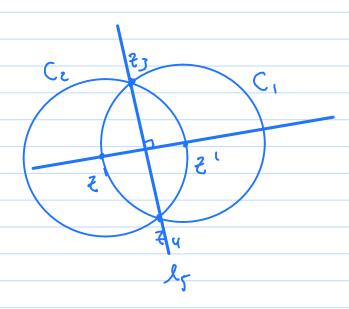
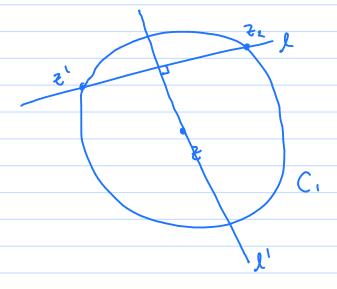
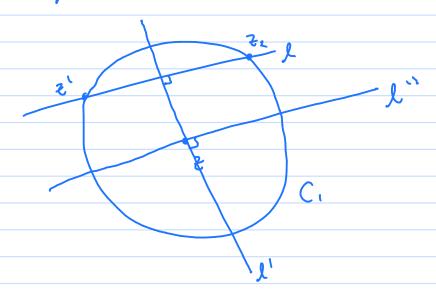
SCI) If ziz'EC, cum construct perp bls. of line reg. 77.



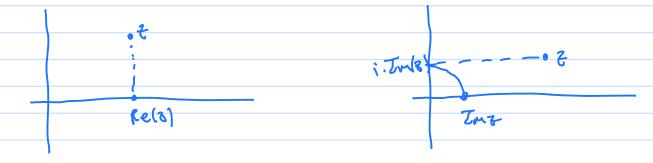
SCZ) If I is a line and 76°C, can construct line I' possing through z and perp. to I.



SC3) If I is a line and ze (, con construct line I"
possing through z and par. to I.



SCY) ZEC @ Re(8), Tulz) EC

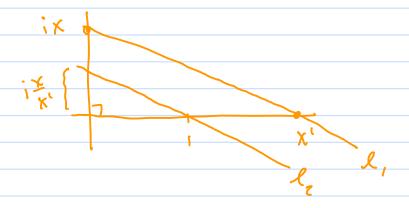


SC5) 7, 3'EC => -2 EC and 7+2'EC

-ECC is easy.

To see that z-13'EC: Note Mat 7EC. Apply
the recipe used to construct & from [0,1], but
instead from try from [1,2]. This constructs z-el.
Then apply the recipe used to construct 2', but
storting from {2,2+1}. This constructs z-e2'.

SCE) If x,x' & enn, x' 70, Men x/x' & e Case when x'>1:

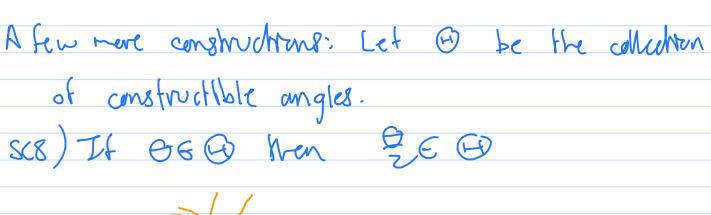


5(7) 7,2'6(, 2' 70 => 3/2'66

White z = x + iy, z' = x' + iy When $\frac{z}{z'} = \frac{(x + iy)(x - iy')}{x'^2 + y'^2}$

= (xx/4yy) + i (x/y-xy) E & x/24y/2 x(26y) - (SC6).

Thm: C is a field.





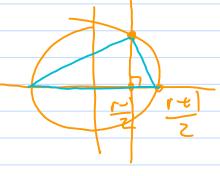
S(9) 0 6 9 00 00 5 M 0 6 8

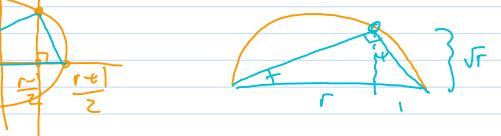
SCW) ZER (>> 12/E C N (U100) and arg Z E (F).

S(11) ZEC => 21/2 EC

Let r=121, G ∈ arg z. We have to show Mat

9/26 Q (it 15) and Nat r'2 ∈ C.





Thm: $q \in \mathcal{C} \longrightarrow \exists n \in M, \forall 1,..., \forall n \in \mathbb{C} \text{ s.t. } (Q(q_1): Q) = 2,$ i) $\forall z \leq i \leq n, (Q(q_1,...,q_i): Q(q_1,...,q_{i-1})) = 2, \text{ and}$ ii) $Q(x) = Q(q_1,...,q_n).$

Answar to some of the questions proced by the Creeks:

1) Con't "double the whoi".

2) Con't "syrare he drole".

Conit construct va, because a is transcendental,

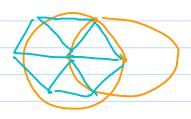
3) Regular mgons:





5-gm; next page

6-gun;



Ex. 5: Regular pentagon

