QI. Write $i(6-2i)+|1+i|$ in the standard form.

QII Determine the set of all points z satisfying
$$|z – 8 +4i|=9$$
and sketch it in the complex plane

QIII. (a)Write $f(z) = z^2 – iz$ as
$$f(z) = U(x,y) + i\,V(x,y)$$

(b) Determine the set of all points where C-R equations are satisfied

(c)Determine the set of all points where $f(z)$ is differentiable.