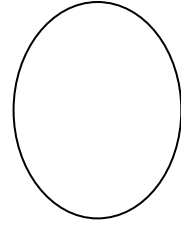


Name:

No:

1. prove that: $|z_1 - z_2| \leq |z_1| + |z_2|$



2. find the following :

1) Rang of $f(z) = z+5i$ for $\text{Im } z > 0$

2) $i^{\frac{1}{2}}$

3) z if $e^{iz} = 3$

3. suppose that $f(z)$ and $\overline{f(z)}$ Are analytic in a domain D .

show that $f(z)$ is constant in D .