

Centum Preparation 100 Days plan class 12 Maths

Q. No.	DAY - 11
56	4. If $ z = 3$, show that $7 \leq z + 6 - 8i \leq 13$.
57	5. If $ z = 1$, show that $2 \leq z^2 - 3 \leq 4$.
58	6. If $ z = 2$, show that $8 \leq z + 6 + 8i \leq 12$.
59	7. If z_1, z_2 , and z_3 are three complex numbers such that $ z_1 = 1, z_2 = 2, z_3 = 3$ and $ z_1 + z_2 + z_3 = 1$, show that $ 9z_1z_2 + 4z_1z_3 + z_2z_3 = 6$.
60	8. If the area of the triangle formed by the vertices z, iz , and $z + iz$ is 50 square units, find the value of $ z $.
61	9. Show that the equation $z^3 + 2\bar{z} = 0$ has five solutions.
62	10. Find the square roots of (i) $4 + 3i$ (ii) $-6 + 8i$ (iii) $-5 - 12i$.