

Quiz I

Exercise 1. Let $z = 1 + \sqrt{3}i$ and $w = -2 + 2i$. Compute and sketch in the complex plane:

- $z + w =$

- $zw =$

- $z - w =$

- $z/w =$

Exercise 2. Sketch the set of complex numbers satisfying

$$|2z - 4i| < 3$$