

## 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

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