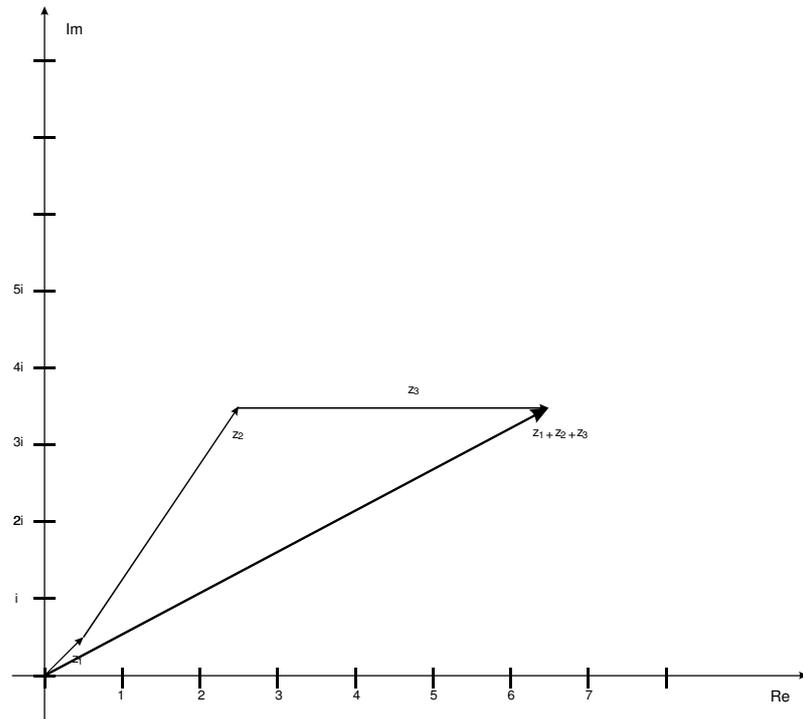


$$z_1 = \frac{i}{1+i} \cdot \frac{1-i}{1-i} = \frac{i+1}{1^2-i^2} = \frac{1+i}{2}$$

$$z_2 = 2 + 3i$$

$$z_3 = 4$$



$$|(z_1 + z_2) \cdot \bar{z}_3| = |(z_1 + z_2)| \cdot |\bar{z}_3| = |z_1 + z_2| \cdot |z_3|$$

$$|z_1 + z_2| = |0.5 + 0.5i + 2 + 3i| = |2.5 + 3.5i| = \sqrt{2.5^2 + 3.5^2} = \sqrt{6.25 + 12.25} = \sqrt{18.5} = 4.3$$

$$|z_3| = 4$$

$$|(z_1 + z_2) \cdot \bar{z}_3| = 4.3 \cdot 4 = 17.2$$