

## ESERCIZIO 2)

Calcolare il numero complesso :

$$\frac{i(1-i)}{(\sqrt{3}+i)^2}$$

$$\frac{i(1-i)}{(\sqrt{3}+i)^2} = \frac{\sqrt{2}}{4} e^{i\pi \frac{11}{12}}$$

$$i^2 - i = -(1+i) = e^{i\pi} \sqrt{2} e^{i\frac{\pi}{4}} \quad (\sqrt{3}+i) = 2e^{i\frac{\pi}{6}} \quad (\sqrt{3}+i) = 4e^{i\frac{\pi}{3}}.$$