

## ESERCIZIO 4)

Calcolare il numero complesso :

$$\frac{\frac{1}{\sqrt{3}} + i}{-1 + \frac{i}{\sqrt{3}}}$$

$$\frac{\frac{1}{\sqrt{3}} + i}{-1 + \frac{i}{\sqrt{3}}} = \frac{1 + i\sqrt{3}}{-\sqrt{3} + i} = \frac{2e^{i\frac{\pi}{3}}}{2e^{i\frac{5}{6}\pi}} = e^{i(\frac{\pi}{3} - \frac{5}{6}\pi)} = e^{i(-\frac{\pi}{2})}$$