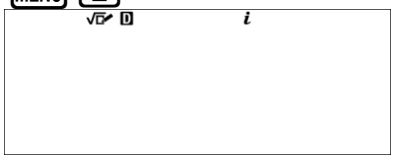
Exercici
Calculeu $\sqrt[3]{-8i}$
Representeu gràficament el resultat.

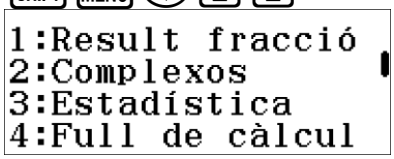
Solució:
Obrim el *Menú Complexos*

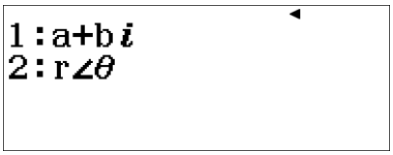
MENU 2



Configurem l'eixida en forma polar

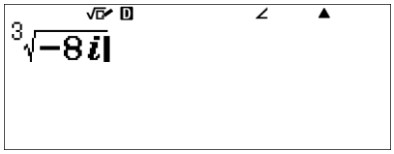
SHIFT MENU ▼ 2 2

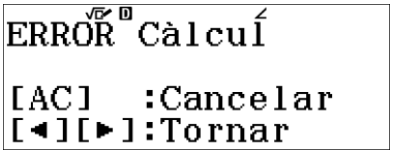




La calculadora no pot calcular radicals de complexos.

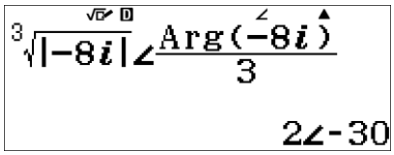
AC SHIFT √ (−) 8 ENG =



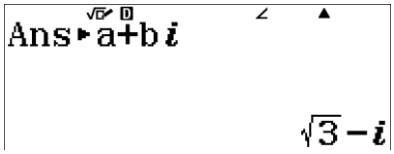


Efectuarem $\sqrt[n]{z} = \sqrt[n]{|z|}\angle\left(\frac{\arg(z)}{n} + \frac{360º}{n}k\right), k = 0,1,2,\dots,n-1$

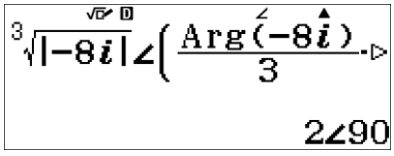
SHIFT √ SHIFT ((−) 8 ENG ▶ ▶ SHIFT ENG SHIFT OPTN 1 (−) 8 ENG) ▼ 3 =

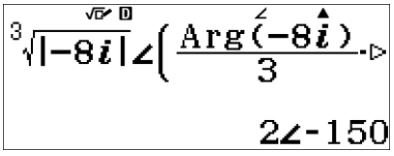


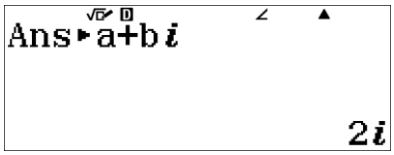
Ans OPTN ▼ 2 =

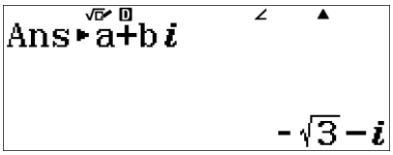


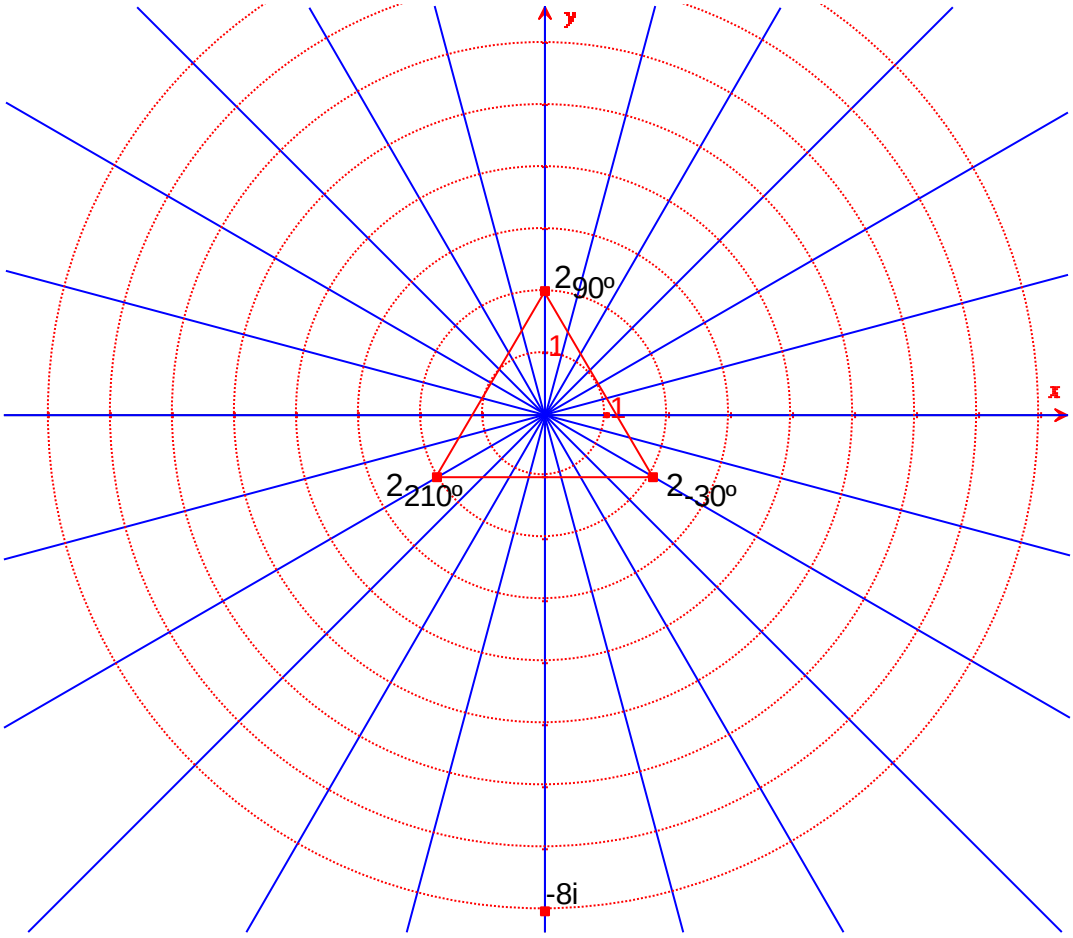
Ara calculem les altres arrels.











Notem que els afixos de les tres arrels formen un triangle equilàter.