Exol: 1-posons Z = 1+j j = i $j = e^{i\frac{\pi}{3}}$ 121 = V1-+1= 12 $Z = \sqrt{3} \left(\frac{1}{\sqrt{3}} + \frac{1}{\sqrt{3}} \right) \frac{1}{\sqrt{3}}$ A reprendre. - 12 (12 + j 12) - 12 (2 + j 12) $= \sqrt{2} \left(\cos(\mp) + i \sin(\mp) \right)$ $z = \sqrt{2} e^{i \mp}$ = = = (1 + x4) = (1 + x4) = x ¿ racine de P(X) => P(8) =0 P(1) = (1+3+) - 37 1-1

 $= 2 - 561 - P(x) = (1 + x^{\phi})^{-1} x^{\phi}$ 2 racine de P(X) => P(1) =0 P(3) = (1+3×) - 32 3- - - 1 j4 = 1 Sone P(f) = (1+1) - j P(1) =0 (=) 2 - 3 = 0 () 2° = j + lette 100 m = 0 2°=j=)1=1ceper Sone P(8) =0 (=) m=0