Serie 11 Z = 3 - 11; $2 = 130 (\cos(\varphi) + i \sin(\varphi) - 11 = r \cdot \sin(\varphi)$ $r = \sqrt{3} \cdot m' = \sqrt{150}$ P= 1.31 $\varphi = 74, 79$ $2 = \sqrt{130} e^{-i \cdot 1, 31}$ 2 = 130 (0.26 - 1.0.36) = 3 + M; 7 2 = (130 (0.26 + 1.0.96) C z = (130 2 - 131 b) z = 4/cos(-40°)+i.sin(-40°)]+ 2ei36°-3+1.5i = 4 . e'-100 + 2e' 300 - 3 + 1.56 = 3.064-12.57 + (3+11-3+15) c) $z_{1}^{x} = 0 - i1$ $z_{2} = 2e^{-i\frac{\pi}{3}} = 1 - i\sqrt{3}$ $z_3 = 2\sqrt{3} + i \cdot 2$ $z_7 \cdot z_2 = 2 + i \cdot 2\sqrt{3}$ $\frac{2^{*} \cdot 2_{3}}{0.5} = \frac{2 + 6 \cdot 2\sqrt{3}}{\frac{1}{4} - 6 \cdot \frac{1}{2}\sqrt{3}} = \frac{(1 + 3)}{\frac{1}{4} \cdot \frac{3}{4}} + 6 \cdot \frac{(\sqrt{3} - \sqrt{3})}{2} = \frac{4}{1} + 6 \cdot \frac{6}{1} = \frac{4}{1}$ d (1 - 12 i) 3 = (13 e · i o. 355)3 = 13 e · 2.865 $r = \sqrt{x^2 + y^2} = \sqrt{3}$ $x = \sqrt{3} \cdot \cos(y)$ $\frac{1}{\sqrt{3}} = \cos(y)$ y = 0.357y = 15 · si-(4) -12 = sin (4) (2) z4+4z2+16=0 $U = z^2$ u2 + 4u + 16 = 0 $\sqrt{-48} = \sqrt{-1.48} = \sqrt{-1} \cdot \sqrt{48}$ $\frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \rightarrow \frac{-4 \pm \sqrt{46 - 64}}{2} = \frac{-4 \pm \sqrt{48}i}{2} = \frac{-4 \pm \sqrt{48}i}{2}$ $x = r \cdot \cos(\varphi)$ $\cos^{-1}\left(\frac{\times}{r}\right) = \varphi = \frac{2}{3} \pi$ -> +4-45: $= r = \sqrt{(-9)^2 + (\sqrt{98})^6} = 8$ Be 1.37 = 4-1.37 = U