## OPS 4,3

a) Vi finder poler og nulpunkter.

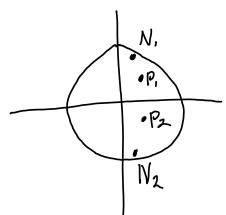
$$\frac{2^2 + 0,6888^{2+0,81}}{1(2) = 2^2 - 1,13(2+0,64)}$$

$$A=0,6888^2-4\cdot |\cdot 0,8|=-2,77$$

$$z = \frac{-0.6888 \pm \sqrt{-2.777}}{2 \cdot 1} = \frac{-0.69 \pm 1.67 j}{2}$$

Vi finder nu poler.

$$z = \frac{1,131 \pm \sqrt{-1,28}}{2 \cdot 1} = \frac{1,313 \pm 1,313j}{2}$$



Vi kan se at vores system or stabilt.