1. $\chi_{n+1} = 4 \chi_n - \chi_n^2$, $\chi_0 = 4 \operatorname{Sen}^2 \theta$ $\Rightarrow \chi_{n+1} = 4 sen^2 (2^{n+1} \theta)$ XJ = 16 sen 20 - 16 Sen 90 XJ = 16 sen 20 (1 - Sen 20) X 1 = 16 sen 20 cos 20 * Sen(20) = 2 Sen0 Cost Sen2 (20) = 4 Sen20 Cos20 => x1 = 4 (4 Sen20 Cos20) => 1/1 = 4 Sen 2 (20) => xn+1 = 4 sen2(2n+1 0) * 2n+1 => 4 xn - 4xn X = Sen 20 X0+1= 4 X0-4 X02 = 4 sen 20 -4 (5en 20) = 4 sen 20 - 4 sen 40 4 sen e cos 20 => X1 = Sen 2 (20 1xn+1 = 5en2(2n+1)