Justin Callahan Excertise 3.1.2

MA(2)

$$P_{K} = \frac{-\theta_{K} + \sum_{j=1}^{2} \theta_{j} \theta_{j+K}}{1 + \sum_{j=1}^{2} \theta_{j}}$$

K=1,2...,2

=0,

0,=-0.2 0z=0.48

60:

Po=1 by definition

 $P_1: -(-0.2) + (-0.2)(0.48) = \frac{0.104}{1.27an} = \frac{0.08186}{1.27an}$  K=1

P2:

 $\frac{-0.48}{1+(-0.2)^2+0.48} = \frac{-0.48}{1.2704} = \frac{-0.377835}{0.377835}$ 

P 3:

K=3 -> 372 -> K79-7 1 10 by definition)