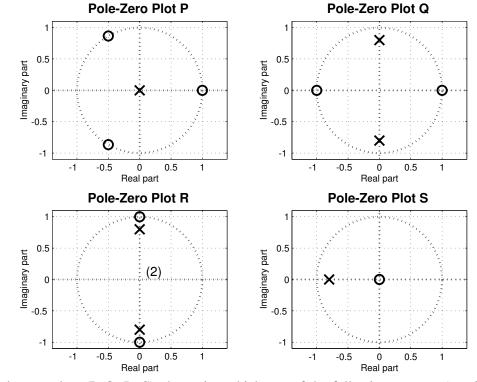
PROBLEM:



For each of the pole-zero plots (P, Q, R, S), determine which one of the following systems (specified by either an impulse response h[n], a difference equation, or a MATLAB statement) matches the pole-zero plot. There is only ONE correct match per plot.

There is only ONE correct match per plo $S_1: h[n] = \delta[n] + 0.8\delta[n-1]$

 $S_2: h[n] = (-0.8)^n u[n]$ $S_6: y[n] = -0.64y[n-2] + x[n] - x[n-2]$

: y[n] = -0.64y[n-2] + x[n] + x[n-2] S_7 : $h[n] = (-0.8)^n u[n] - (0.8)^n u[n]$

Mark your answer in the following table:

y[n] = x[n] - x[n-3]

 S_4 :

POLE-ZERO PLOT	SYSTEM $(S_{\#})$	POLE-ZERO PLOT	SYSTEM $(S_{\#})$
P		Q	
R		S	