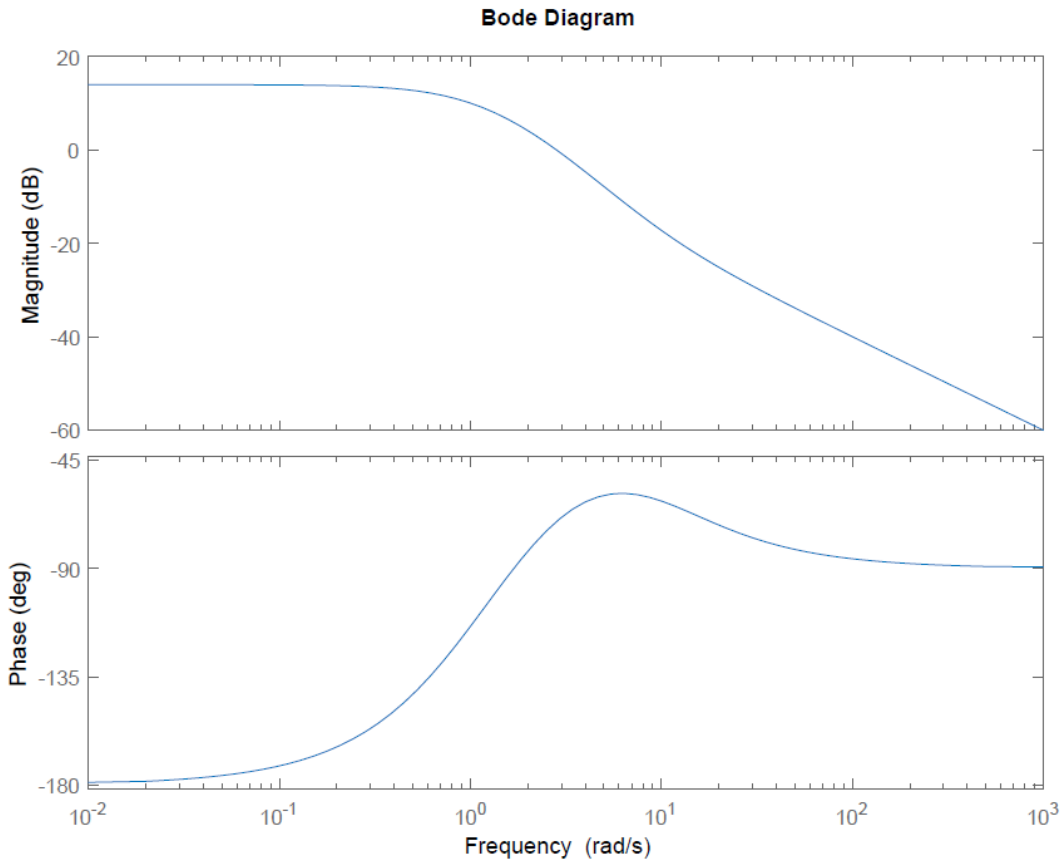
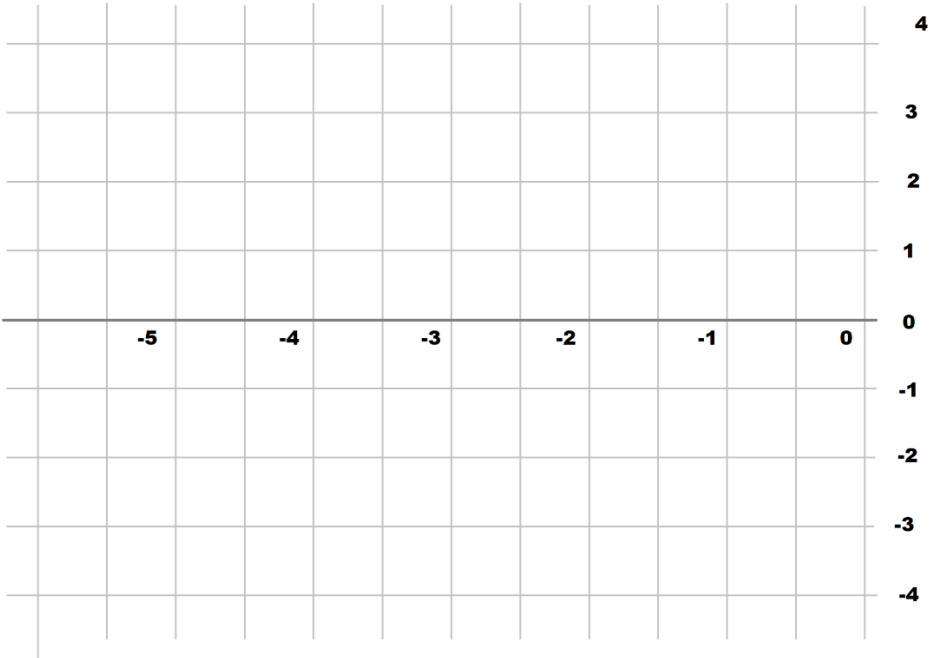


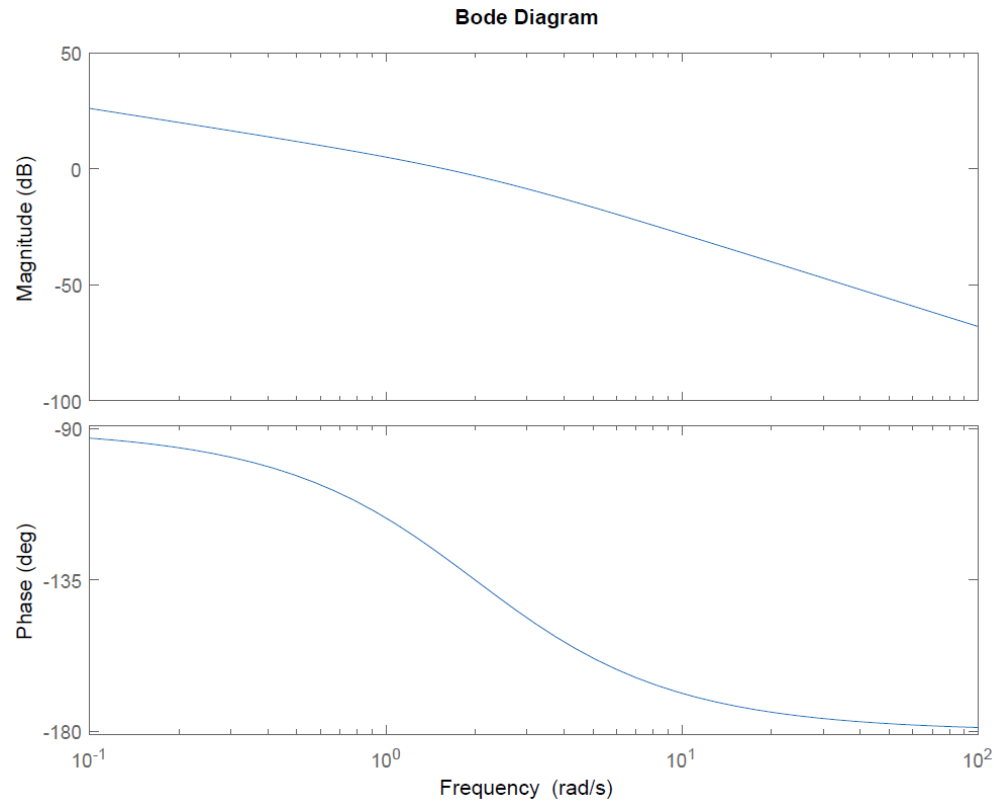
Find the Nyquist Plot for the following bode plot. The open loop is has two poles in RHP, is the closed loop stable?



Freq (rad/s)	Mag (dB)	Mag	Phase= θ	$X=Mag*\cos(\theta)$	$Y= Mag*\sin(\theta)$
0.01	15	5.6	-180	-5.6	-0
0.1	15	5.6	-170	-5.5	-1
0.5	14	5	-140	-3.8	-3.2
1	10	3.2	-100	-0.5	-3.1
2	5	1.7	-80	0.3	-1.8
10	-20	0.1	-60	+0	-0.1



Find the Nyquist Plot for the following bode plot. The open loop is stable, is the closed loop stable?



Freq (rad/s)	Mag (dB)	Mag	Phase	X = Re{s}	Y = Im{s}
0.1	26	20	-90	+0	-20
0.5	12	4	-100	-0.7	-4
1	6	2	-120	-1	-1.7
2	0	1	-135	-0.7	-0.7
10	-30	0.03	-170	-0.03	-0

