A=(M252+412) (M,3+bs+412) - Kn So, b(t) = a sin mot) = 2 sin 10t 5,(5) = a M2 wo (52+ K42 (M2) (52+wo) As

For the motionless response,

8 + K12 = 3 + wo -

-1.40 = 1.2 -1.40 = 1.2