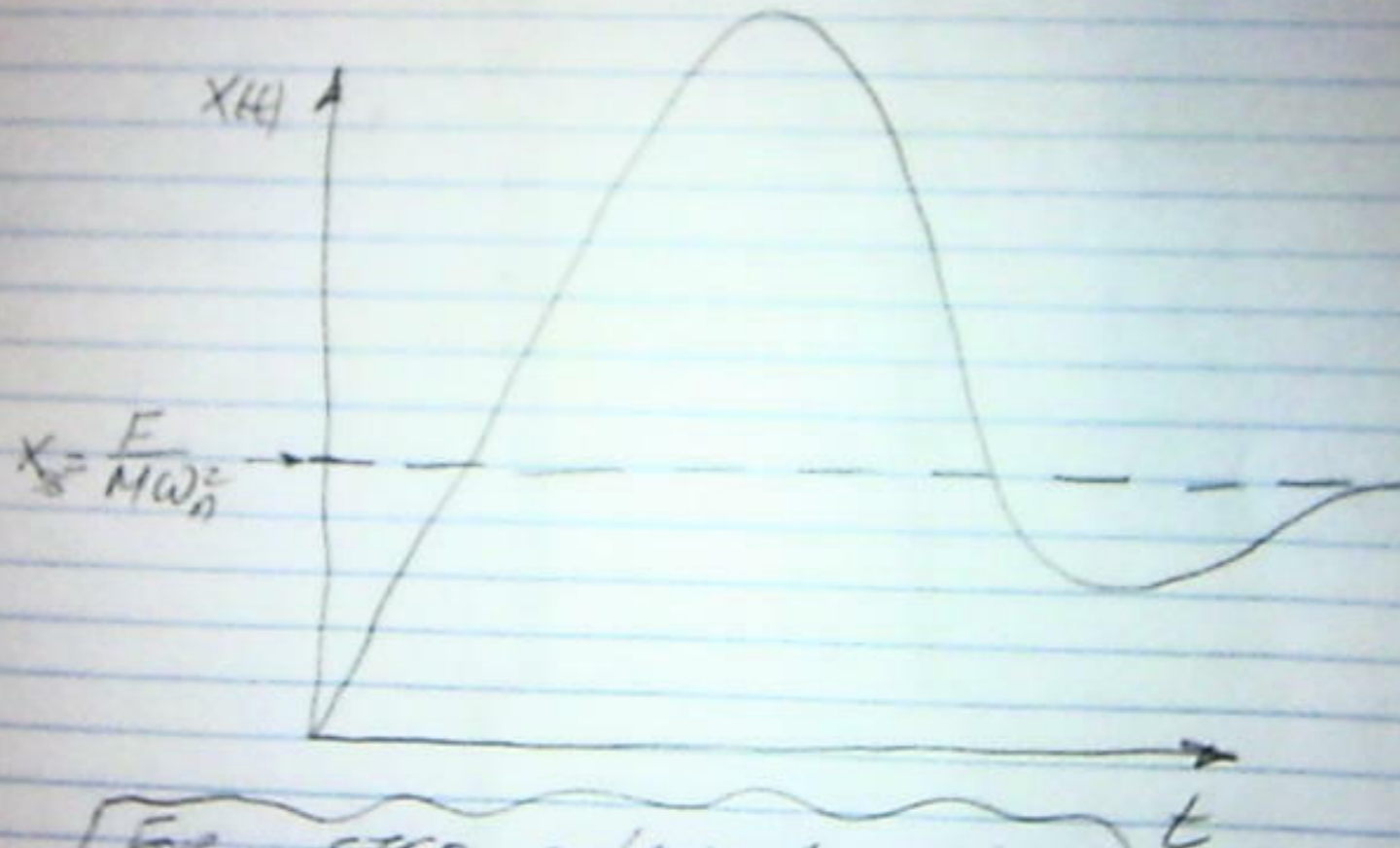
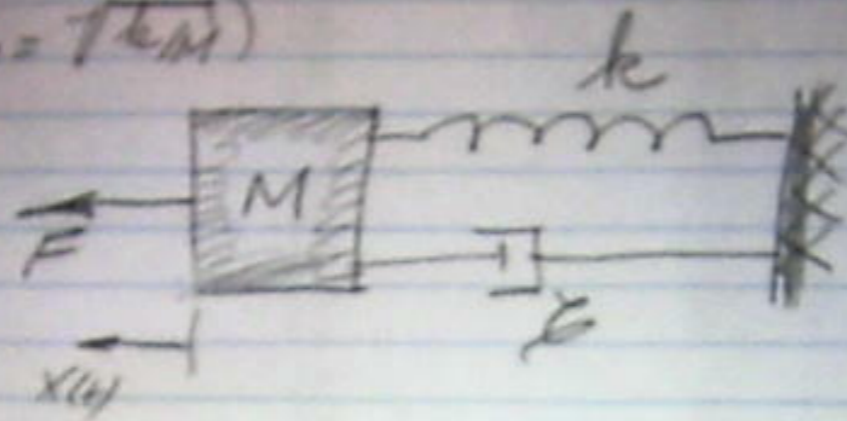


$$\ddot{X} + 2\zeta\omega_n\dot{X} + \omega_n^2 X = F/M$$

$$(\omega_n = \sqrt{k/M})$$



For STEP CHANGE IN F :

$$F(t) = AU(t)$$