ELE 460/365 HW # Z

- (1) Solve For x(t), assuming all Ic's are θ $\frac{d^2x}{dt^2} + 10 \frac{dx}{dt} + 21x = 8M(t)$
- (2) Find the Inverse Laplace Transform of:

$$(2) \frac{2}{(2+3)(2+7)}$$

c)
$$\frac{2R}{R^2+10R+50}$$

d) solve
$$\frac{dz}{dt} + 7z = 5 \cos 2t$$

for $x(t)$, assuming $Tc'o$ are 0.