MECH 6325 Hw 1

12) 
$$R_{x}(t) = \int 1 - |t|, C = [-1, 1]$$
 $V(t) = V(t) (os(wot + 1)) \int_{-1}^{1} \frac{1}{2\pi i} [0.25]$ 
 $S_{x}(w) = \int_{-1}^{1} R_{x}(t) e^{-jwt} dt = \int_{-1}^{1} \frac{1}{2\pi i} [0.25]$ 
 $S_{x}(w) = \int_{-1}^{1} R_{x}(t) e^{-jwt} dt = \int_{-1}^{1} \frac{1}{2\pi i} [0.25]$ 
 $S_{x}(w) = \int_{-1}^{1} R_{x}(t) e^{-jwt} dt = \int_{-1}^{1} \frac{1}{2\pi i} [0.25]$ 
 $S_{x}(w) = \int_{-1}^{1} \frac{1}{2\pi i} [0.25]$ 
 $S_{x}(w) = \frac{2\pi i}{2\pi i} [0.25]$ 
 $S_{x}(w) =$