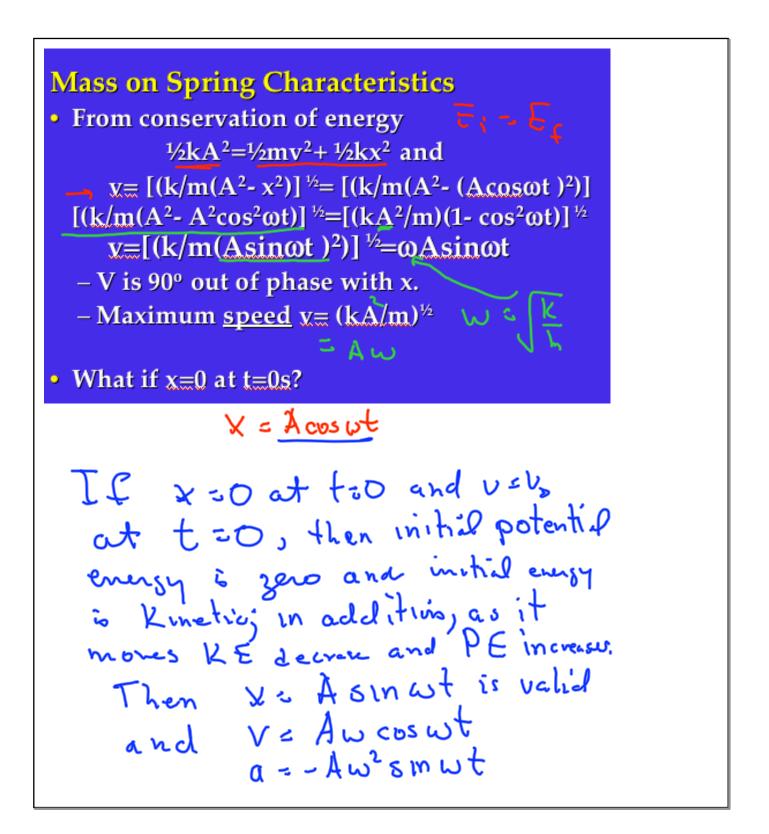
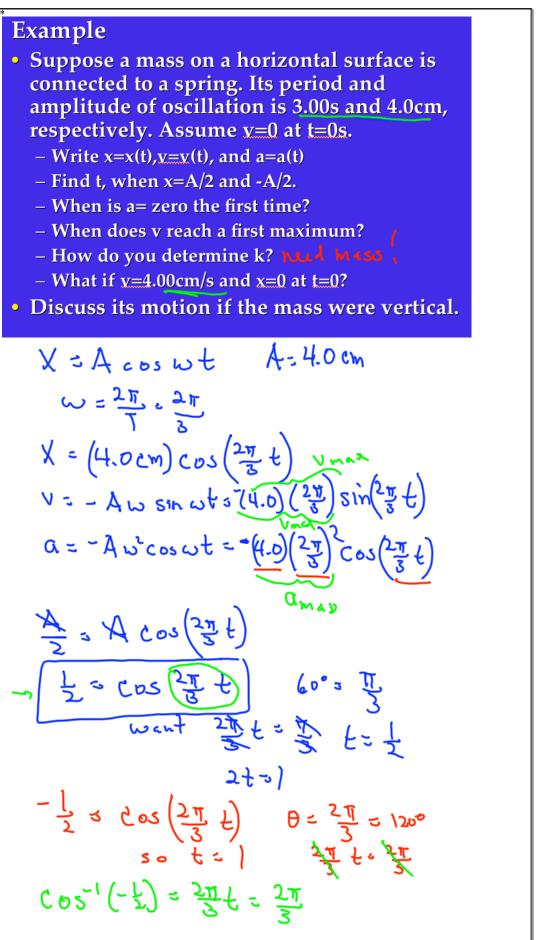


http://www.acoustics.salford.ac.uk/feschools/waves/shm2.htm F3-KR X= Acoswt V= · Awsinwt a = - Aw2 coswt IK Vmay 3 AW Que 3 AW<sup>2</sup> w÷,  $T = \frac{2\pi}{2} = 2\pi \left[\frac{M}{2}\right]$  $f = \frac{1}{2}$ 





Untitled

a = 0 the let time when  

$$X = 0$$
 the let time  $a = \frac{1}{2} \frac{1}{2} \frac{1}{2}$   
 $0 = A \cos 2\frac{1}{3} t$   
 $0 = \cos 2\frac{1}{3} t$   
 $\cos^{-1} 0 = \frac{2\pi}{3} t = \frac{1}{2}$   
 $t = \frac{\pi}{2} - \frac{3}{2\pi} = \frac{3}{4} s$   
 $V = -A w \sin \omega t$   
 $X = A \cos \omega t$   
 $\alpha = -A w^{2} \cos \omega t$   
 $V = -A w^{2} \cos \omega t$   
 $V = -A w^{2} \cos \omega t$   
 $V = -A w^{2} \cos \omega t$   
 $1 = \frac{3}{4} s \sin \omega t$