√294 = V KE

 $\frac{1}{2}K_0x^2 = \frac{1}{2}mv^2$

= K(0.011)2 = = = mv2

1/mv2=

= 1 K(sx)2 + mgh =

OX= Vit 1.93=

= 1 K(x) = = = mv2

 $X_1 = V_1 + X_2 = V_2 +$

2(= K D X)= MV2

2/=1/0.01)2)=mv2

 $\frac{0.011_{m}}{-1.93_{m}} = \frac{x}{2.2_{m}}$

X= 0.012539m = 1.2539 cm