F=-KX
1/2Kx===mu

Compressed all m

Ball travels 2,2-,27=1.93m

 $\Delta x = v_1 \Delta t + 1/2 a t^2$ $\Delta y = v_1 \Delta t + 1/2 a t^2$

1/2kx2+mgh=mgh+1/2mv2

FDO - FDO = OK

F=-KY

10=-k(.011)

k= 909

1/2 kx2=1/2 mv2

1/2 (909) (,011) = 1/2 V

v= , 33 m/s

2,2 = 33 t + 1/2(-9.8) t

1.93=.70

V= 2.75

1/2 kx = 1/2 m/2

1/2(409)(x)=1/2(2.75)

X=1.22 cm