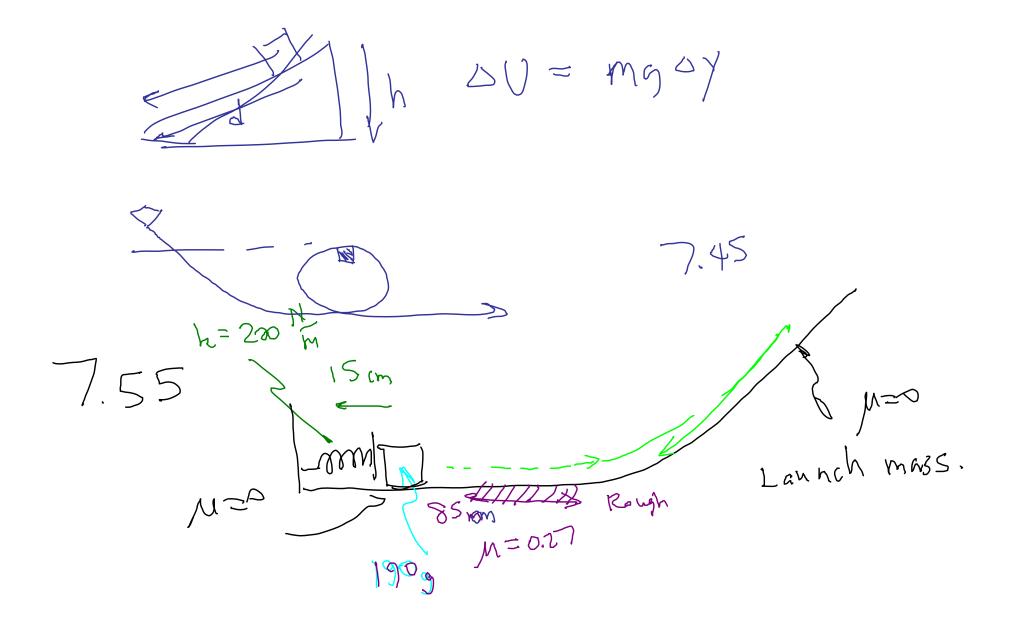
Note Title

Work done gravity (Totantial energy)

We my  $N = -mg^{\alpha} \gamma_i$   $N = -mg^{\alpha} \gamma_i$ 

Work done by gravity



7.55 Block 15 launched. After it's launched Where Joes block Kome to rest? Measure from left end of Frictional Initially, mech energy is E = { lex2 = { (200 m) (0.15 m)

Full pass over friction part  $W_{fn} = -0.427 d$ 

5 complete pass.

On last pass, it can sp 0.27 of the WM  $\Delta E = W_{sinc}$  = 22.5 cm = 22.5 cm

7.62 17 m long vine hangs ver tically Tavzan vuns grabs vine Must get 10 m across, how fast must he runs? =36.0

 $\gamma = L - L cos 0$  = L (1 - cos 0)ons of energy = 7,98 m/3

1.59 A child sleds bown frictionless hill whose vertical dop 15 7.2m. At bottom is a level but rough Streth where Mr=0.51 How for does sted stile a cross level stretch (0+0)-(mgh)

extential function Corneral features of

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