03/23/2021

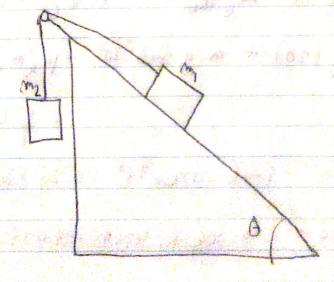
W

## LAS QUEZ #6

The disagram below represent a system consisting of tests makes; m. - 20 kg cared m. + 40 kg care of them on an incline and the other some branging. The pullay is maisless and precionly and the cards for makes par joined. The angle sof the incline is 0 = 39°. The paralleliand of paintments fruction is her o 25 and me breats the system starts to make from out.

(a) The the righten's relacity (magnitude and direction)
poption morning so me along the produces. Lower the problem
using the crossey pophroach.

projected motion. He projected motion the prompt of my the prompt of the property motion of the property in the property in the projected motion.



(1)

pur your me some weeks the one so the Initial spead = only N=miltons NN fr= hw wid woo direction of relacity for m, is downwards & form, is the indirection, in up the indirection, (a) Linguistani proba transalprile (a) Thing work energy therean use oft. Wall = 0 K market may be a livery Namity + Workson = KEG-KE =7 m29 (20) + m, g sino (20) - premily reno (20) = + (m,+m) 12 400 ×20 - 200 ( 20 xim350 + 0.25 ×20 × 101350) (=30) 8000 - 200 X (11. 4715 +4.0967) = 3042 U0 = 12.76 m/s

Along Y carais,

let time telpen les t.

: Sy = pryt + 1 ay + 2

=7 -90 = 1.918 t - 5t2

=7 5t2 -7.318t -90=6

: tz 9.985

Bang = No xt = 800 x 3.98

2 41.60 M