

4

-ity, incline = ryrine

-ingcos B

-it for throughs B

et = fgrow ity Incline - fk = rysine-rocker

a = fnet = g(sine - those)

a = g(sine - Hose)

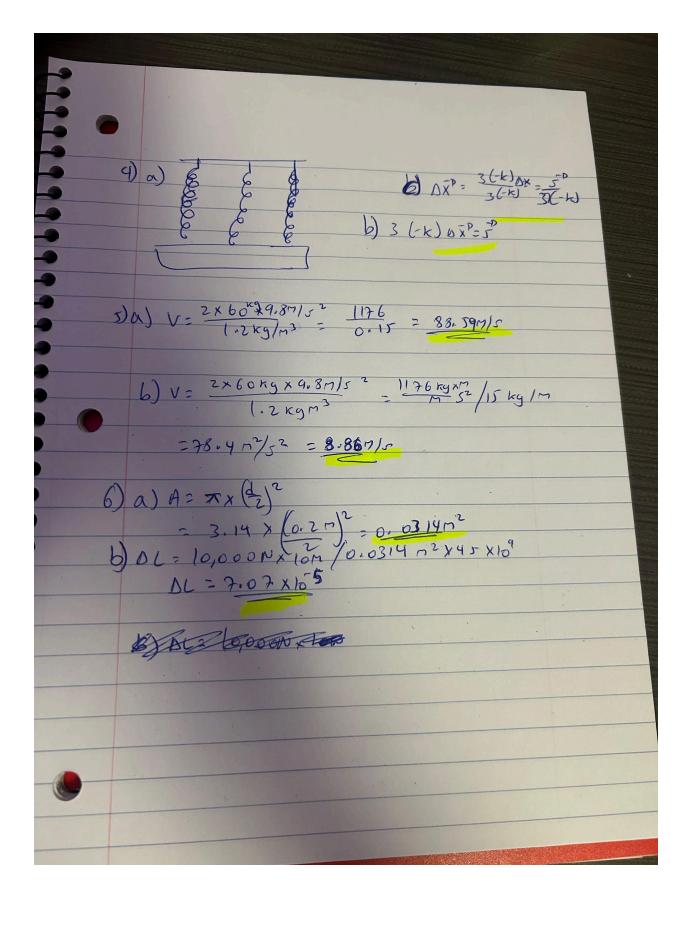
= 1.2196

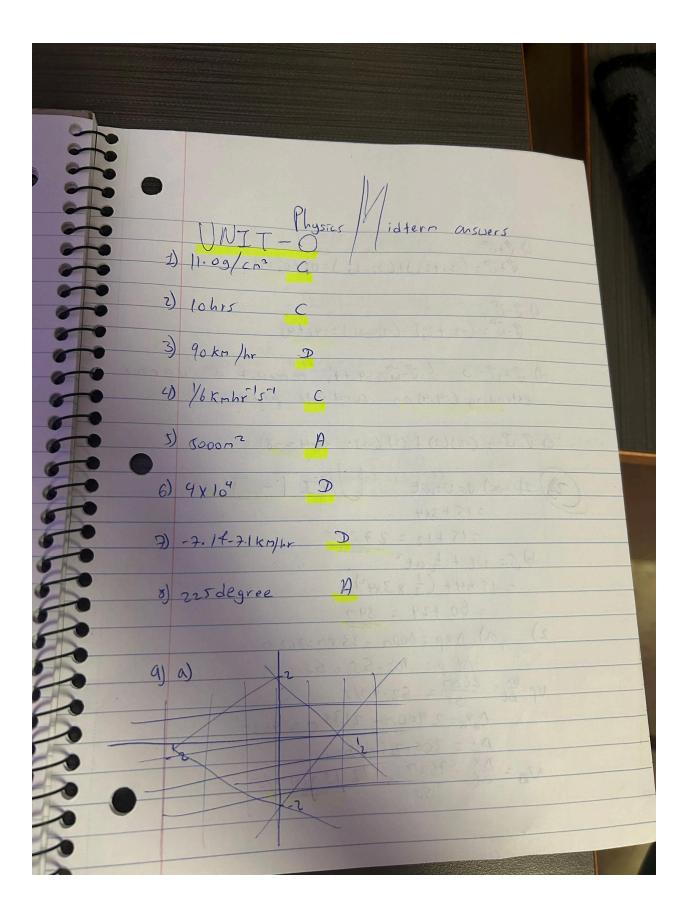
b) \$49.2 m down the slope after 3 osecands

find speed = 36.61 m/s Das Foravity, incline = myrine

FN = mg cos 0

Fx = J FN - J mg cos 0 3) a=g(sine-Acose)





J 1) a) 7 = F1 = 6000 = 6000 = 0.9925 = NOSTATEMON 761.05N bf =UFN $\frac{900 \text{ kg}}{0.05}$ $\frac{3}{2} = \frac{33.33}{2} = \frac{111.11}{200} = \frac{-5.56 \text{ m/s}^2}{200}$ ***** 6) F= 20,000kg x C-5.56 M/52]=-111,200 3)1) A = Fact - 17.84N = 0.35 70/53 3.2) a) Fc = 65100 = 80,000 x 5/n 30° = 80,000 x 0. 5 = 40,000 N b) fc= 712 r= 712 = 6000 x (166.67) = 4166.67 n fc 40,000 dt= d=13090.84 = 78.555