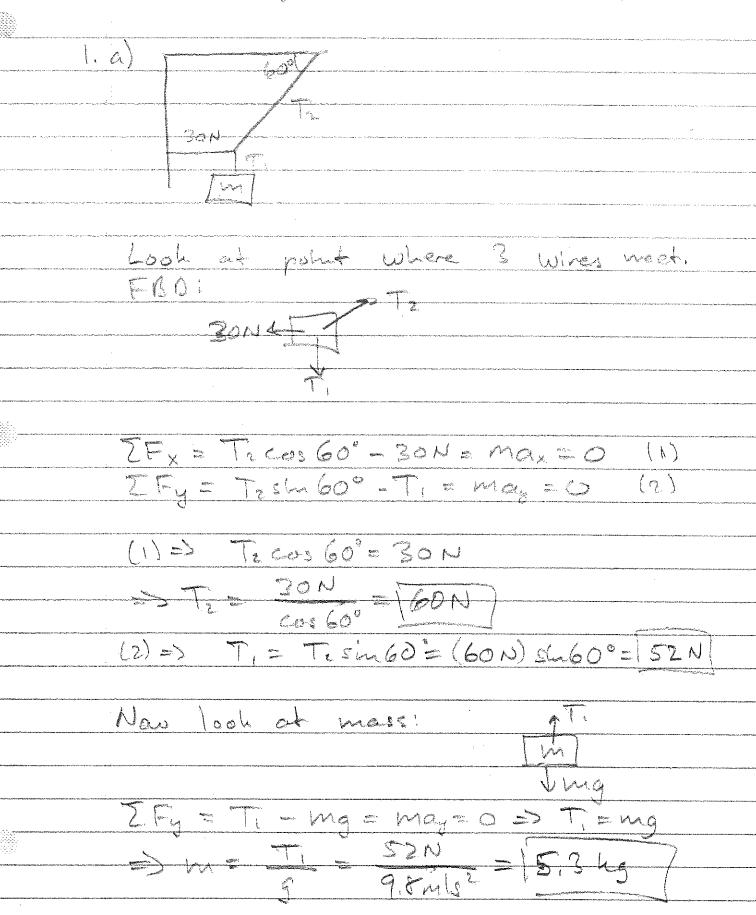
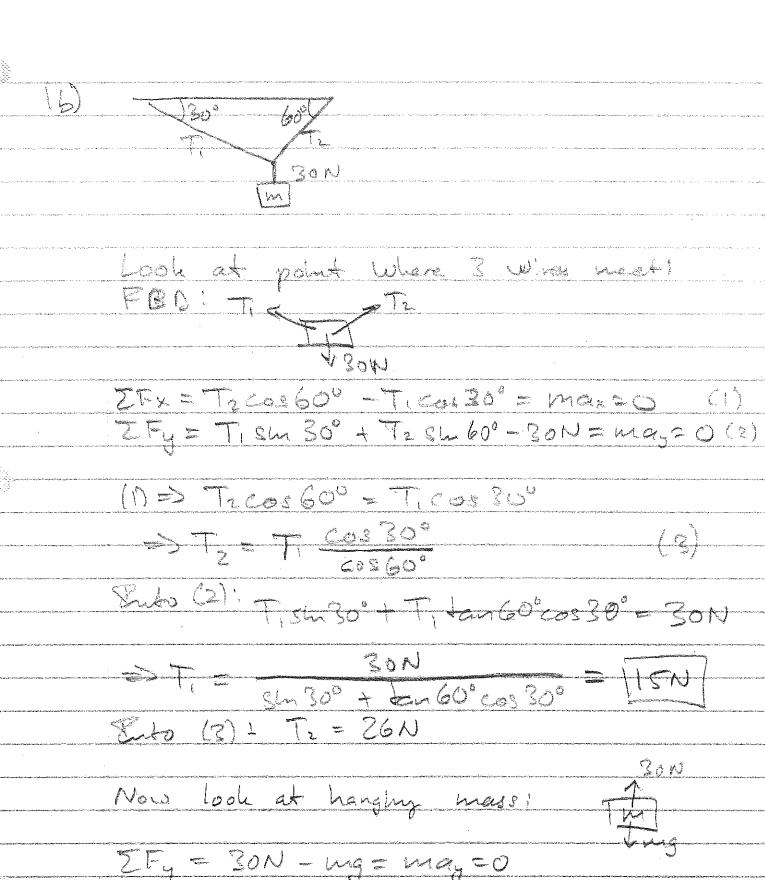
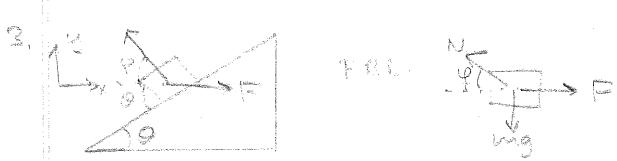
Phys 209 PS4 Solutions

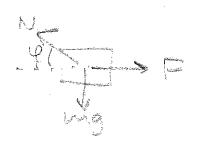




=> 30N 30N 30N 30N 9.8m/3

Ity = F = ma





4= 90° - 0 The Following & May = 0

(1) => Neos (2) = 1 (2) => Now 4 = mg

Waing sh (90°-0)= cos (5)
=> sh (4)= cos (5) And cos (90% Q) = cos (4) = sin (0)

So, (1) => Non 0 = F

Helmo Fig

=> d= arcten/ty E GALLEY (1069) (1 CAA) The Massacra Francisco Company The satisfic of smak => ax = gsin 0 where de distance along incline

Ve = 0 - 5)

de 20, 2 (egs. 0) Now dsinds h 7 7 9 9 9 7 7 9 7 3 9

FROI

TIP TO TO

a) It is a box a

It is a factor as the a

Add (1) + (2): F= (mo + Mgo) a = (10 kg + 20 kg)(2 m/s²)

Eq. (1); = 24.2= (104) (24/8)

word and a second of the secon

6.

a) ZF= T-m, gsh d = ma (1) ZF= M=9-T= M, d (2)

Add together!

in meg - Migshig = (m. + me)a

es a glima managi

8 1 - m (9 - 3 (m2 m sh 0))

= 1 - m (9 - 3 (m2 m sh 0))

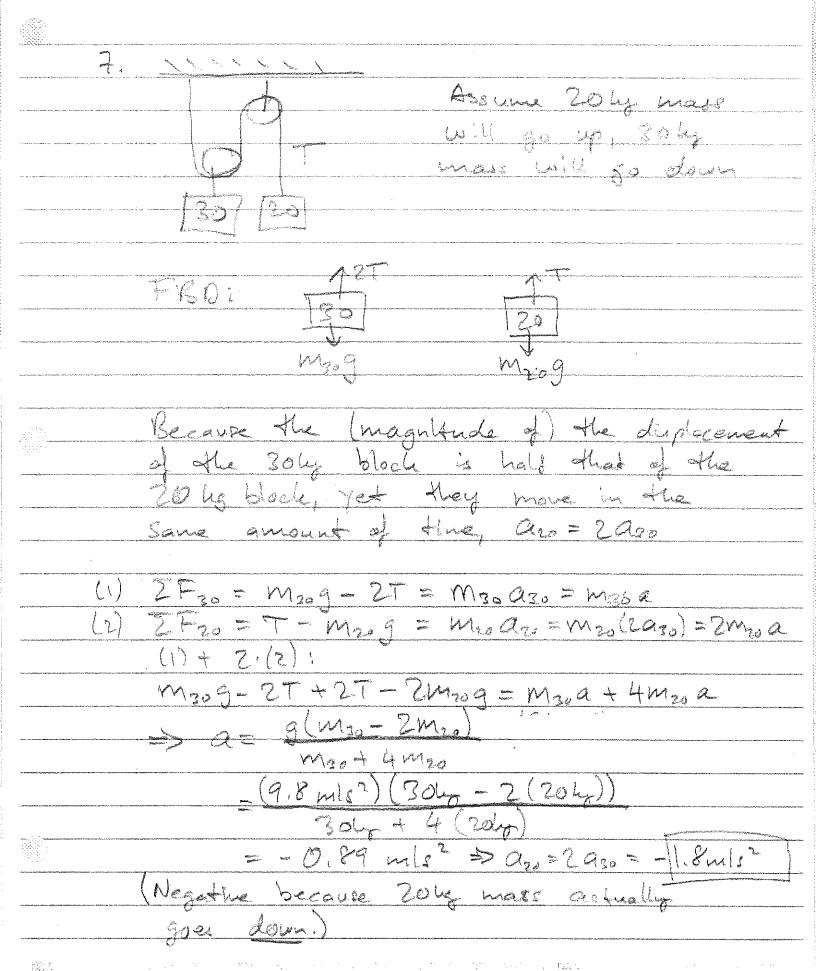
= M29() - M2-M1840)

= M29 (M, +M2- LATE + M.Sing)

= M. M. 2 (1+ Stu 9)

6) Fr. M. M. 15 by O = 30°, (9.5 m/s) (5 by - 15 by 30°) = 2.45 m/s²

TE Shallshall (F. Sombil) + slu 800)



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