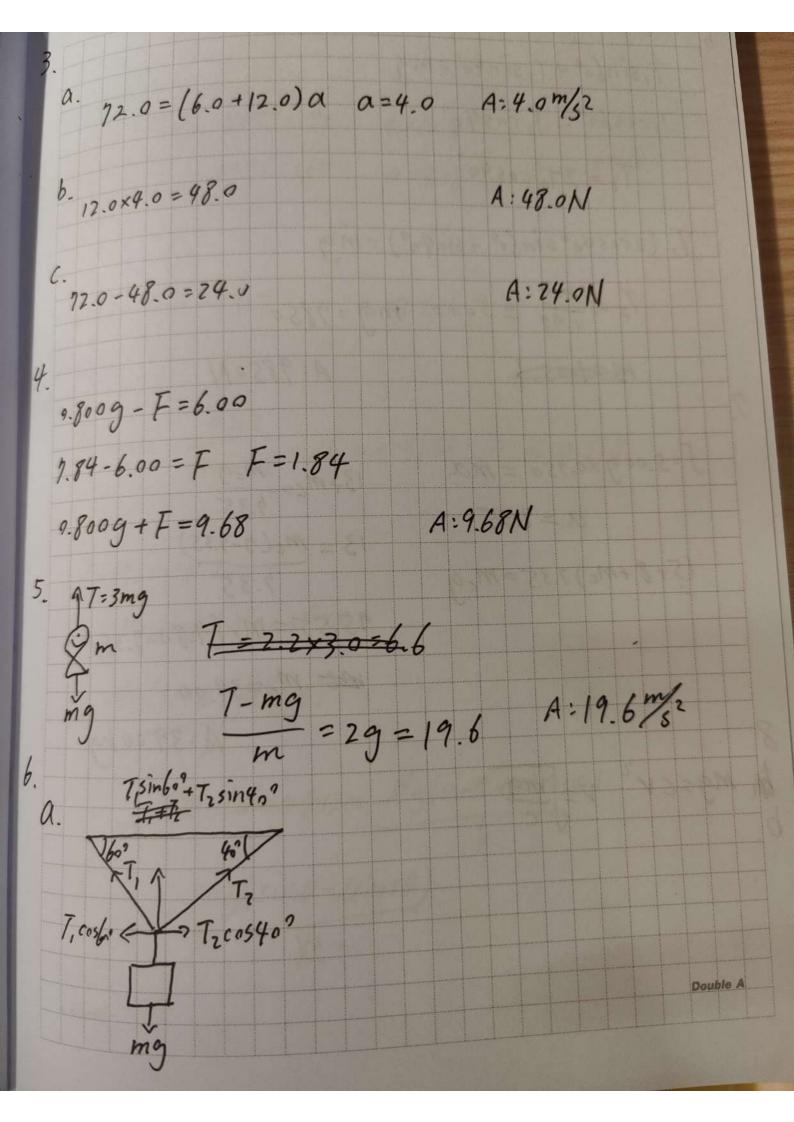
a. F=3.00ti - 6.00 t³ j V= dF= 3.00î - 18.00 t2j \$ v= -36.00tj = à x= 3.00 i - 6.00 j V= 3.002-18,005 = at = 200 V= 27.57 2905in35° + = 9(3) = 2005in35° + (27.57 sin35°) > 140.23 A: 149.23m 290cos35°+ Vx (2Vy + 20/5in35°) = 346 A:346M



Tisingo + Tising = mg 7, cas600 = T2 cos400 T1 = 2 T2 cos 40° T2 (200540° sin60° + sin40°) = mg 72 = mg = 5000 mg = 9850 m=1005. A: 9850N f=5.00g x0.750 = ma $13+m_{c}=\frac{m_{c}g}{5.35}$ a = 7.35 $13 = m_c(9-7.35)$ (5+8+mc) 7.35 = mcg 7.35 95.55 = mc (9.80-7.35) Me = 39.00 A:39.00kg $b = mg = cv^2 v = mg$

a. at=33.3 \fat2=180 t=10.8 A:3.08 m/s2 33.3t=360 a = 3.08 3.08×1400-4312 A:4312N f=mgu 4312 1490×9.8 = U = 0.314 A:0.314 10. f=Mgcosou lex = Masinb + Macoso u x= Mg(sin0 + Ucoso) A:

Mg(sino+Mg(sino+Mg(sino+Mg(sso)))

A:

Mg(sino-Masso) Double A

I - Maring Managers B mgcoss mg mgsind mg a. m F cosa = mgsind F=Mgtand MF coso + mgucosa = mgsind MF + mgu = mgland F = Mg (tand 741) Mg(tand-u) & F & Mg(tand tole)

Mg(tand+u) $at = 50 = \frac{1}{2}at^2 = 80 = \frac{1}{3.2} = \frac{15.625}{1}$ 12 F-mg=ma L=308.5 A:508.5N

=m(36-4) = = 1mx32 = 16m 40x=16x0.42 X=0.168 A:0.168m 15. 18-953×14=10.58 (18+10.58)×14×2=200.06 $=3V^2$ V=1.8.17 A:8.17m/ Double A