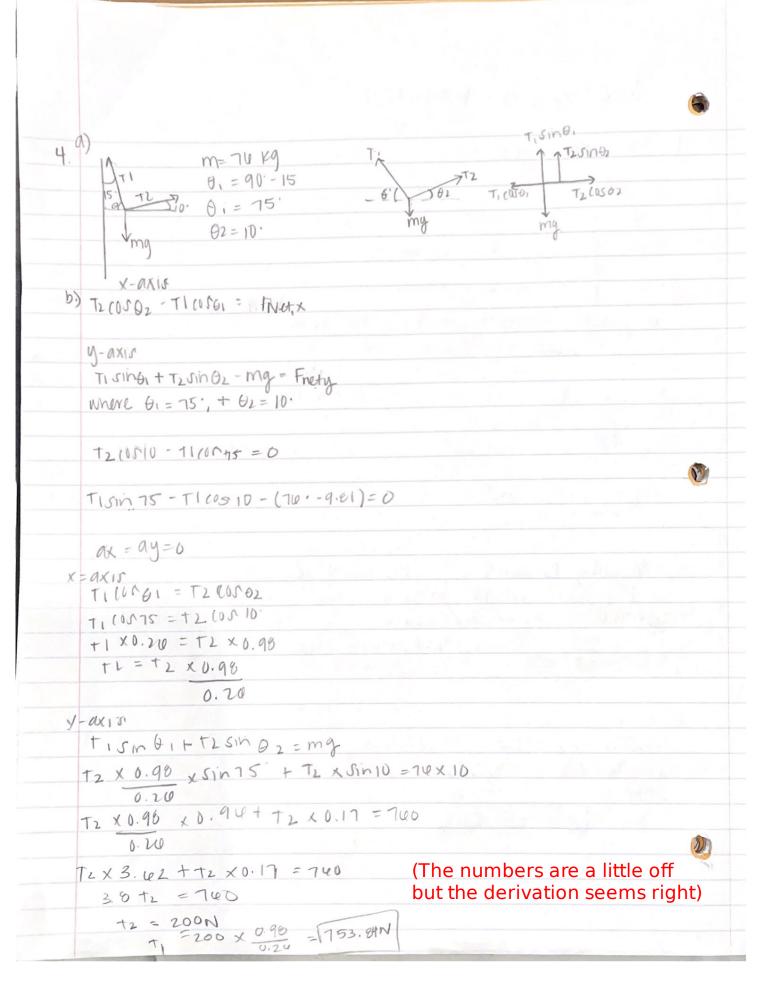
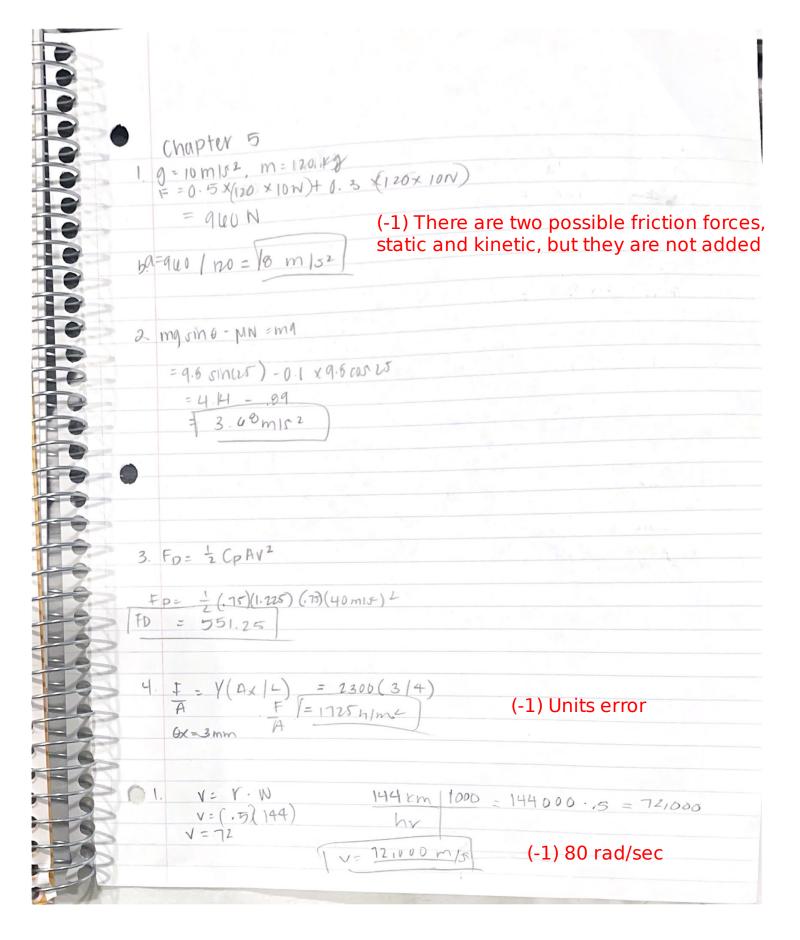
Name: Melissa Carrasco Score: 17/20 Midterm 2 - Physics 5×100+9 ,-9.61= 4.5×106-MY VISITANC a. thrust - grantational fine - air fuce mass of rocket 9 = 1.25 x 107 - 9.8 x 5 x 105 - 4.5 x 106 9= 105 (125-49-45) 5× 105 a= 6.2 m/s2 2. According to Newton's 3th law every action has an egral and apposite reaction, therefore the second player exert on the 1st pinjor 700 newtons by F = ab -F ba ab 700 wentons 3. F=ma (1000N +x) = (2000 kg) (-200 m/s2) (1000 N +x) = -400,000 1000 - 1000 F= Tx = -401,000





2 V= 110 km x 5 = 33.3 V= 0.9 Km , 1000 = 900 m = m = tune tan6= 33.3 900 . 9.81 (-1) = .21" 3 path 2. a-Ar b. V= 400m 3 VE=V.W = 410.00 NE = 320,000 C (-1) part b

6	Extra creat
4	a ac = am
	Y2
	ac= 6.437 x 104 (1.4 x 1022)
	$(4.50 \times 10^{12})^2$
	ac= 4.61 × 10-14 m/sz
b.	$ac = Gm$ $q \cdot 2 \times 10^{-10}$ $20,000$ $(+2)$ well don
	ac = 4.673 × 10 (0.42 × 1025)
(2)	$(2.50 \times 10^{12})^2$
91	ac = 9.2 ×10-10 mp2