Chapter 4 Score: 18/20 1) A desire, a sain resistance b) F=T-f-mg 5x10 kg(a)=1.25x10 N-4.5x10 N 0 - 5=10 kg (9.8) 1.25 × 10°N ma=F ma=T-f-mg a=1.25 x10 N-4.5 x10 N-4.9 x 106N fistochit, 5 x 10 4 kg 5 × 10 5 kg 01= 6.70 m/82 400F-16.5 4595 * *44 3) a= - 200 m/g= Fima f = 2000 * (-100) 1000 N = 7000 ng x (-700 m/g-) = 4 × 10 = N b) FNerx = Talsin10' + TACOSIS - W C.) FNETY = T2160510"-T151415") d) FNET = 0 = T, cog 750 = Tz sin10" Tecosio x sin 75 + Te sin 10 - (9.81 x 76) (0575 TZ = 194N - TI = 50575 = 738N=TT Chapter 5 a) four Nong b) f: 3x120x9.81 FNOT . man fu-form EW- 357N f= M. mg f= .5×120 × 9.81 ma= 588N-35EN £= 588N ma = 236N 120kg a= 1.96 mig.

	2,500,000
2) fr=0.1	A 41) 2300mg term = 10m re 4 em
22,	decrease 3mm=1003m = .04m
fhio.ilwylma	Y-mgt / A de la company of the company
fn:(0.1 x cos10 + sin 10) 9.81	P(*A)
= 1. 673	Y= 2, 500 kg x 2 81 - 10 -
,1750984	941 onm) = a 4 + +
[a = .77 m/s (-1)	Y: 225,630
	.0507
3) Fort CpAzi	Y= 41.49 × 106 N/m2
Fo: 2 (75) (1.725 kg m-3) (.75m X40m/s)	(-1) it's 10^9
3.344 > 1600	(1)103 10 3
: 550,4N	
350,110	
C: 1- 6	
Chapter 6	The second second
1) 144km + .5 m .0005km W= 144km = 288,000 x Inr = 80 rads	
W= 194 km = 288,000 x Inr = 80 rads 3600s Secs	
The second secon	
41,300,000	
	The second secon
7) 0.9 mm - 120 mm × 1000 × 1 mm × 3400 × 533, 3m,	
1000 600	
V:175 .9hm, 1000: 900m	
tan0: v/1g	
400 33.3° 1108.8° = 125 tan'	
W	ell done!
0 - 7.12 0	
3.) a.) Path 1: 400m=1	PASE 2
mg: ~'.'	12 = 54.81 x 800m
V1 = 54.81 > 400m	V1 = 89 m/2
V1: 63m/s	
	2
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