0	thust Physics Midterm 2
	1. b. a= Ft-Fa-mg - 1.230.10 n- 4.50.10 n- 15.10 rg).9
	= 6.2 ms
-	viverght 2.  Veristance The force has to be equal of  that exerted by the first
	veristance The force has to be equal of that exerted by the first  3. The object player so it would be also requires equal to -700.
	decelerate. 4. 10 cost= a cost= - Tix
	women Tix=-Ticos75 weight Tz=194N9
	Frety= $may=0$ $T_1 = 738 \lambda$ Frety= $may=0$
	1. $1 = 1 = 0.3$ $1 = 0.3$ $1 = 0.3$
	2. g[ sin 25-cos 25] = a 3. FD= 2 CpAv2
	9.80 (31175 . 131175) $F_{p=\frac{1}{2}}(.75)(40)^{2}(.95)(1.775)$
	= 551.3 N

 $A = 1\pi v h + 2\pi v^2$   $f = \frac{1}{6}$  f = m o  $= 2.82 m^2$   $\sigma = \frac{1}{4}$   $f = 7.52 m^2$ = 2.82 m2 initia) 2.52 m² = .5. 44 1.512 80 rads  $tan\theta = 170^{2}$  9(9.8)  $\theta = tan'(1630)$   $= 69.96^{\circ}$ 3. Path two gives the ability to turn at a faster speed because of the wider angle. This way they have a maximum static friction. ac=6.673.10 1/1.4.10 (2.50-10")2