	20-P-MOM-DY-18
	Tether cars are small vehicles that are designed to go
	on a circular track while tethered to a central post. A
	m = 1 kg tether car is traveling at the velocity v = 90 %, when
	the brakes are applied. The brakes can be thought of as the
	force F= 10 N applied to the ear. If the tether is 5 m,=1
*	determine the speed of the tether car when time t= 55.
	/ I/b
	Solution: (H) + ZSt Mdt = (H)
V-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
1	(mv, + 5tz lFdt = rmvz
	(MV + CF+= rmv2 r=2 F=-10N
	Vi= (my +lft = 40 m)
	rm
	·.