NYU Physics I - 2016-10-11 Agenda - Reading - statics torque impulse collision. Comments on theo, exams. Bouncing Ball. P= Faciat

F= (3.6x)N F=mgN tength F=mg Box your achal answer. Frictian: shiding: f=MN.
state: f<MN. "efficiency" & Coefficient of Rentana a
cold fact hot
Q+W
W

in contact boel Pell for (1 ms???) not scale N? AVERAGE

/ Free-body diagram

Go duration of N hand floor

white falling: Impulse: F. stree = Promine ~ ma (0.4s) uhile in carbet: ~ N (0.0015) = Experience E-1.8 Feather  $|\vec{N}| = 1.8 \text{ mg} \frac{(0.4s)}{0.001s} \approx 10^3 \text{ mg}$ 

Oneball	Aven	age F.	R.D.	
	for	5-ball	duny	
	(1-ms)	collisi	an.	
TAY PO	ol:	Tes = 3	BOON	Cue ben

m= 0.2 hg

m=0.2kg