Phys 2110-3 10/4/10

Note Title 10/4/2010

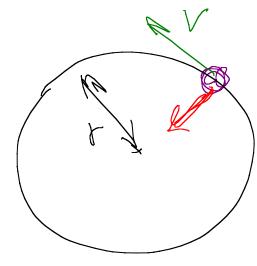
(Uniform) Civcular Motion

Fret points toward contar

For my?

Ball-and of String,
nass = 15 kg

what is tension in string of bottom of swing.



1 m / m / m

a= my Fret = my (upward) = T_ma (upword) $T = mg + mv^{2}$ = m(9.80% + (3%)) (1m)- 28.2 H

At top of swing

Fe = T+mg = my $T = m \left(\frac{2}{V} - 3 \right)$ $-\left(1.5\right)\left(\frac{4m_{3}^{2}}{1m}\right)$ ()-8 25/ =).3N

5.24 9210-9 rock whirled in horiz. civile at end of 1.3 m string. Breaking str. of str. is 120 what is max allowable Speed of vock b) At this speed what angle does string make with hov's zontal? v - 1 (650)

Vertical forces add to zero T 650 = myi Unknas V () mg = Tsino v=Lcos0 = 12.8.m Bankel eurve, no triction Vertical forces add to zono

Homework $\int_{S} = M^{2}M = M^{2}M Q$ Find a) Tonsson

Beriod of motion

MY mobses are

