## Physics 32 Equation Sheet

Fg = G Mm Ug = 36 mm Otenral V= -EN 6=6.67 X10" N.M2 Kepler's Laws Inlaw of orbits - Ellipses of 2. Law of Areas - Equal + imes 3. Law of Periods - Too R3

Fr = - KX 2 I=512dm

X(+) = A cos(w++4) Spring -> T= ZPI PRAJULUM ->T=2073 X(4) = xmare = = cos (w+ +0) Report

W = \ K - b2

Fluid DYMamics

P= = [Pa] F - F Pascais Principle

P2-P, = Sg (Y2-Y, ) fivide wy

dP = Sg dy Stressorth

FB= Stroid Vaispaced 9 - rarch i Mebes
Principle

A, V = AZV = & CONTIEVITY P+Sgh+128V2 = CONSTANT = BERMULLI'S -latm = 1.013 x10 5 Pa

VIJPT

Waves Const V= FT FT FT = tersion V= B V= F Evane = 2772 f 2 /(Veit (Area)) A Intensity = Power -= Posx dir. Y(X,+)=Ymaysin (Kx =wt) ( Not SHM) wavet -> K= 200 W= 200 V= = = = = = = -secret Frat = |f, -f2| P=10109(= 1 ] To=10-12 W F( B= 20 log ( To) - SECRET (HEIMS OF) Doppies For = Fource (Usony = Vobs) (internal) Hono= b) - Contains n= Snalls face

ds. no = m & - (bight) n= 5 (reflection) d sind = (m+1/2) ) interferency (reflection)

2d = (m+1/2) ) double stit 2d = (m+/2) X = (m+/2) - Thin film Merfarage

