Problems: Discussion agraious

Q1.1. 2 collect experiment to displace a theory.

cassining that experiment is meticularly constitutely.

likewile, 1 college experient to place a theory.

Depends on the theory and how well decomposed the theory it. In placing, many iterations are needed to "yet" to the "coney" singular experiment to pure or displace a theory.

Q1.2. No. By definition, the "target" is a stright line that "Just" touches the upon at a possibility point. "Y.00" metal is to mension of a 4 or another length to albut for the computation of a target value. (becape 2 variables are needed, when only I was placed).

Q 1.3 My height is 172 cm.

My height is w = mg
= (73.70kg) (9.8066);
= 722.750los kg.m/2
= 722.6 N.

Q1.4 Ses. Trese "thundered" kilograms some of the balls for the entire world's unit measurement.

If these masses are changing over time, studies and empirical rathe relient on these signed need to accort for these deltos, especially there may have and thereis can there their origins to the pass (which can spens several to many decides)

Q15. The Shadows 144 by a sent light rays.

Q1.6. Retail a street of paper is two thin by its bracke for wher-based measurement, I could fold it muttiple times (in eyel divisias), court the number of looks (n)

0 1 2

in the fam of 2", then her
ditte the tested neave the folded

paper and anithmenically divide the

meaned thibaers by 2". It recently

I can reper this action unlarkly the

paper that resolving it to got a house

cond

approximation. (Or, we share we the

hole to help fold and at the paper

into it's divisible slies to got

know accurace recents)

77.7

Q1.7. Pinensionps number quartiers.

e: Ecles Hunbar

4. Golden Raio

Q1.8. Libic metar (m3)

By defitition, the volume of a cylinder is Thick, where It? = area of circle and h = "introles of circle".

This hollings is to the railin of sphaes, where he could be \$\frac{4}{3}\$, and here the former becomes \$\frac{4}{3} \times \time

Q1.9 Toe: . co. 10m offset

Mae: 10: 1cm flow a point 20cm flow com

Flo: " 1cm from reng.

Toe: Please, not accounte thigh precision, low one)

thoe: plecip, not armie tho. alme, precise

Q1.10 (1+3+k) is a cont recor, arming
Ax, Ay, Az = 1,1,1.

v = 3.01 - 2.03

|vi = \((3)2 + (-2)2 + (0)2

= 1(9+4)

= 1/13

 \vec{V} is NOT a unit vector, there a magnitude of 1.

