Phys 2110-4 1/13/12

Jopics

Motion (Kinematics) Ch 2, 3

Forces (Dynamics) Ch 4,5

Energy Oh 6,7 Momentum Oh 9

Rotational Motion Ch 10 Oscillations Ch 11 Warrs W 14

Thurnal Physics

Chap 1

Sci Notation.

0.000350

3.50 × 10

Hw System

3.50 e-4

3.50 e-4

3.50 × 10 ^ -4

U Nists Every number: 承, 100 units t number PYYOY gives you unit

m nm MN

Metric System SI m, 5 kg
length time mass

In 2/yd

I by of mass has a weight

2.2 16 Prefixes PIO $\alpha n \rho \Lambda$ $m'_1 \subset V_0$ milli \mathcal{M} Centi ki/o k Mega Giga Tera

Converting Unita Factor of 1 Method Treat unit symbols like f 2717 St to meters 1\$+=0.3548m $(\frac{0.3048m}{141}) = 828.1 m$

Contrado 70,0 mi

$$\sqrt{10}$$
 $\sqrt{5280}$ $\sqrt{10}$ $\sqrt{348}$ $\sqrt{3348}$ $\sqrt{3348}$ $\sqrt{3145}$ $\sqrt{10}$ \sqrt

 $(45.0 \frac{\text{m}}{\text{s}^2})$

45.0

1000 lan = 19 Accuracy Significant Figures $3.250 \text{ m} \neq 3.25 \text{ m}$ Science 0.7034 Significant fix 3.4~10-3 Known from

Multiply mumbers (3.25)(5.7) = 2.52752 known = 7.5 $(3.10 \times 10^{-15})(4.678 \times 10^{-5}) = 1.45 \times 10^{-19}$ $\approx 3 \text{ hm fixs}$ 7.1 82.3H8 0.01 Goes by dec. places. Error Analysis $(3.12 \pm 0.003)(72.5 \pm 0.05)$ = 214 + 5/

$$Cos(60.0^{\circ})$$

$$\frac{1.00}{3.0^{\circ}} = 0.3333333$$

$$= 0.3 \text{ Not in science}$$

Roblem Solving Draw a diagram humas con read. 7 3 700 M $\mathcal{D}_{\mathcal{U}}^{\mathcal{Z}}$ 25 5/1' Nim Motion Hant Simple 1-Dimensimel



