Question #9 P = 2.2 m = 220 cm S = 1.1 cm  $2 = 10 \text{ m/s}^2$   $2 = 10 \text{ m/s}^2$ 

Question#10

R=0.2m=20cm @ 2. Warg m=2/5g

ma=gsino

m=2 k=3 m

 $a = 68 \sin 30^{\circ} = 400$   $5 \text{ m/s}^2$ 

b. mgh== 1 mv2

V=129h

 $V = 12 \times 10 \times 3 = 7.746$ 

 $\frac{1}{1} = (\frac{1}{2}) m q^2$ 

 $krot = \frac{2}{6} \times 0.2 \times 2 \times 60.00)$ 

Question#11

Question#11  $\frac{V}{T} = \frac{PV}{T}$   $\frac{V}{Ta} = \frac{1.2}{300} \frac{V_b}{T_b} = \frac{V_c}{T_c}$ A since  $\frac{V_c}{T} = \frac{PV}{Ta} = \frac{1.2}{300} \frac{V_b}{T_b} = \frac{V_c}{T_c}$ 

Question 12

Xihe 2. Wang

$$\alpha_{10.8 \times 3 \times 10^9} = 3.24 \times 10^{16}$$

$$= 1.08 \times 10^9 \text{ seconds}$$