75: This question mistakenly takes "power" as "Intensity; they are not the same thing. I = P in 2 dirention world

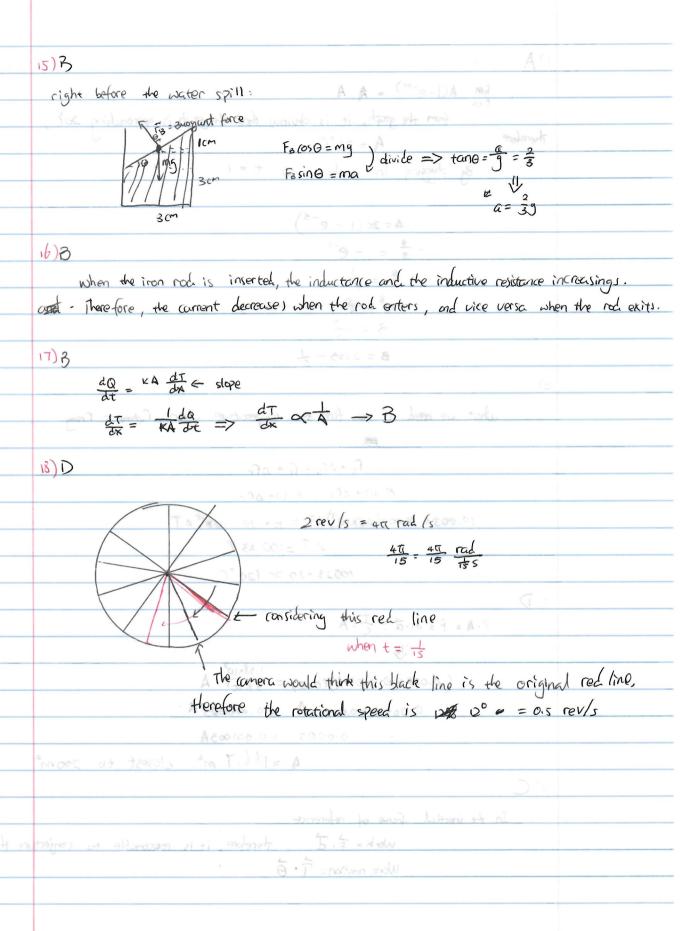
$$\int = \frac{36}{2\pi(3)} \frac{W}{m}$$

$$= \frac{6}{7} \frac{W}{m}$$

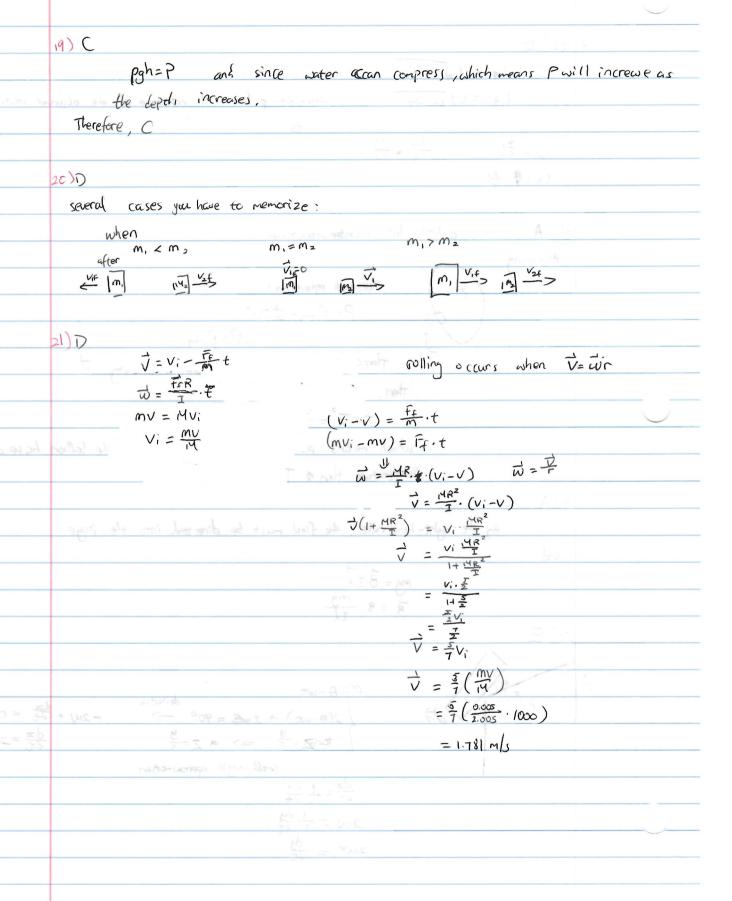
. .

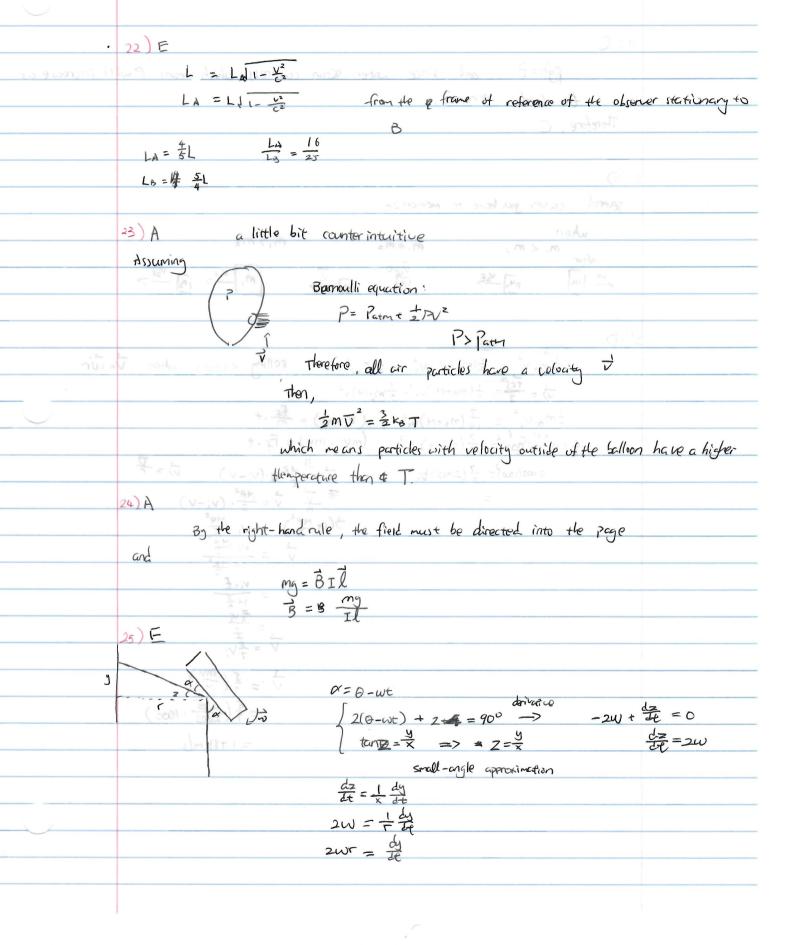
A (II	817
$\lim_{n \to \infty} A(1-e^{-3t}) = A A$	da
from the graph, it is obvious that the graph is approaching 20	°C,
Therefore, $A = 20^{\circ}C$	
By plugging in number as t=1	
4=20(1-8-8)	
$-\frac{4}{5} = -e^{-8}$	600
$\frac{4}{5} = \frac{1}{6^5}$ when at least 21 has and 24 parts	
we was and and est est est and and a second established and and	tes
$B = Ln \frac{s}{4}$	
B = 0.227 ≈ 5	8 (19)
a)	
what we need is to find the temperature when Esphere = Trine	η
F6.	,
Is + DIs = Is + DIs	0/4), 1
N.205+Drs = 10+Drr	
10.005+ 10.005 (0.5x105) DT = 10+ 10 · 10x-5 DT	
△ T =100.23°C	
10023 +20 ≈ 120°C	
(3) (7)	
P.A = F = m.a = Z.A	
1	
$(0.025 + 0.0001 \cdot A)(0.02) = \frac{1.38 \times 10^{3}}{3 \times 10^{3}} A$	
0.0005+0.000002A = 0.00005A	
A€0000 = 2000,0	
$A = 1.66.7 m^2 \text{closest to } 200 m^2$	
14) C	
In the inertial frame of reference	
work = F. Z therefore, it is reasonable to conjecture that	
Work roution = T. O	
	Therefore, $A = 20^{\circ}C$ Therefore, $A = 20^{\circ}C$ By plugging in number as $t = 1$ $A = 20(1 - e^{-8})$ $-\frac{4}{3} = -e^{-8}$ $\frac{4}{3} = \frac{1}{6^{3}}$ $B = 10\frac{7}{4}$ $B = 10\frac{7}{4}$ $B = 0.225 \approx \frac{1}{3}$ What we need is to find the temperature when Given = Tring the substitution of

#



2.





· ·