HW	written

5.1

(3)
$$-\frac{3\pi}{2}$$
 $-\frac{3}{2}$ $-\frac{270}{190}$ $-\frac{270}{360}$ $+\frac{360}{30}$ $-\frac{90}{190}$ $-\frac{1\pi}{2}$

G
$$\frac{17}{4}$$
 $\frac{17}{4}$ $\frac{17}{4}$ $\frac{17}{180}$ $\frac{17}{180}$ $\frac{17}{180}$ $\frac{17}{180}$ $\frac{17}{180}$ $\frac{17}{180}$ $\frac{17}{4}$ $\frac{17}{4}$ $\frac{17}{4}$

(35.8°N, 78.6°W) NC (0.3°S, 78.6°W) Ewador

Maffee	Wh
A WOUL has 2.5 ft times (dimeneter)	
a) distance M she notation?	
2.5(11) \$ 7.853 ≈ 7.94	
w 10,000 votenions? 2.5 (10,000) = 25,000 25,000 (17) = 78,539.8 ≈ [78,5	539 #4
0 if wells him at 672 rpm any var speed 2 W= 672 rby 261 - 1080 rds (1344 17 rd hin row holdstradfran	(6)
hin how hodalaradhan d) 672 rpm linear speed? Etpermin 672.2.517 = 168017ft/min = 52.78 ft/min)	
e) 672 rpm lihear speed mph? 1 mi=5280ft 1hr= 5278 x60 = 316680 = 59.97 ≈ 60nph	(comin
a) how namy degrees does it move?	
b) how many radians? $\frac{120}{180} = \frac{2\pi}{3}$	
10 (211) = (2017 in 2 20.94) e) Avea?	1/2 1/2 0
d) determine exact angular speed in rad/rec. Y	/2(10)2 ZIT
ω : $\frac{1}{2}$ $\frac{200}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$	12 100 ZIT
e) linear speed? $\frac{20\pi}{3} \frac{1}{3} = \sqrt{\frac{1}{3}} \text{ injud}$	100 ZIII 2 100 ZIII 2 105 IA
20 3 7 5	

(13) the gears are colliberted so that shaller gear accounted aviles the larger glas. For each rotation of shaller accounte gear, how many negrees will large the votate? (very account of shaller) i don't get it.

Hw wither 27, 41, 47, 65, 83, 89 5.2 22+ b=37 4+62=9 27) if sunsity Aira

secs = 3 pind | sind = 3 | 2 | 3 | b=15 SECO = adj sin & = nyp (41) given $\cos \theta = \frac{7}{25}$ find $\sin \theta = \frac{24}{25}$ 7^{25} $7^{24}b^2 = 25^2$ $49+6^2 = 625$ b= 576 COST = adj SING = OFF 47) tan2 & +1 = sec20 aerive from: sin2 & + cos2 0 = 1 (03°6 (01°6 Cos°6 - tan 6+1-5ec20 (65) An observer @ 462 pt messures argue from top of Miff to a point on the ground to be 5° what is me distance from the base of the cliff to me point on the governo (duit 4) 402 ft. 402 ft. 403 ft. 403 ft. 403 ft. orr note 213494+1600=62 SEC5 = 4160 $\frac{215044 \cdot 62}{11 \cdot 12} \times \frac{2462}{100} = \frac{2500}{3} = \frac{2500}{3}$ $\frac{1912}{100} \times \frac{100}{3} = \frac{2500}{3} =$ (83) Find exact lengths x, y, Z 501+62=102 sin 30 = Too 2500 + 62=10000 K= 100 sin 30 Tan 30 = X N= 50 tango X= 50/3 1000 = c2 02. 7500 X= 50 (A)383 A 6:5013 2013 + 2013 20013

5.2 22+ Dee 37 (39) show that a = hcotA - hcotB /UNIVERSITY cot = adi a CotA = ath CO+B= = 250 = dt it don't know how ore of to word it. 440 : 0015 derive from Sinig Flosi B-1 (47) ton2 6 + 1 = 5602 6 600 610 600 E00 1- ten 6 +1-500, e -Kos for observed a 40 or evenues augus from top at UNF to a going on the growing to be 5% word is me dispense central or we wood on at 12 in our so may may tan 5 " 18 . x : 962 tan 5 £40.462 WORLDE 35 WAS 36 EBAR 11/100 200 200 500 1 BERGE X BOLKESTO (B3) FIRE exper lengths X1 Y13. 2 5- 5000 SNOS = X CENTROS = N X X 2 100 31130 B= X 0051 10 D: 50 B 10/10 :0 E1003