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REMYI is Fos Sin 60= 1/2 Sr/6 61/6 4 (\sigma_3 1 \frac{1}{2}) Made with Goodnotes

180 = 12 rad Trig Function for Any Angle 60°-50 ex Fire ofer sin6=-0732,060<360 30°= 12_ 515-0.731 = - 47.1 9 ret= |-77.10 |=97.10 150= 5 9-13-4710 91-180+01et=2271 6,=360 - Orcen19 Vertziece Angle Extinto for seco=-1.832, 0 60 6366 (05 (-182) = 123.0829° Oret= 186°-123°= 57 <u>0, = 180, - 57,</u> () = 180 + Over - 237° Ex. Find O For tan 0=-6.783,000 ccn TUN-0-783=-0.664268789122 215/2-38.0609° 100=1-0.66BF 0/= N-ret 0 = 2.477300 $\frac{1}{2\pi}$ 0,6.28 θ_{1} = 2π - 1 - All'Iration of Trig S= arclingth Uhit orm length , A - 1 ab AreaDA= 2 Or Loralians IreV= 2212 Made with Goodnotes

3 2200 rcv/n/n ~= 2200 rcv (2200) /21 Augular Vedocity? -230162/s rev=22rad oradius 1 , r= 1,7 cm 0=50.6 2, V= 1875ch 0=165.58° P=5+21 -r0+2r- (1.875)(165.58 (186)) +2(1,875) =9.17cv Made with Goodnotes

Trig Graphing y=Asin(wt+0) or y=Acos(ut+0) A= Amplitude W= angular vilocity = 2/2/T

T= period=period is the time required to cycle

n-11 O-phase angle Phase shift-PS-Tw -Y Start PL to graph we will be the Smajor qualit 0,90°, 186°, 276°, 360° ~ holethil 0/2, 1/2, 22 $E \times (Graph y = 25/10/3+-373)$ A = 2, u = 3, 0 = -3, P = -3 = 2/9set 0 = to each good angle, and solve tortime Starting point 1 3 + - 3 - 0 3.3+-1/=1 9+=42 2 At-1= 12 11/1/2 -2 18+-22=31 18+-5n Made with Goodnotes

Angle y= 3 605 82++3 A = 3, $N = \frac{1}{2}$, $0 = \frac{1}{3}$, $T = \frac{22}{10} = 42$ PS=-21--72--3-54-4PX 2.1/2+3=2 5.2+13= 1/2t=2-23 +=2/6 15=-0 = 31 32 -5/T=22 = 3/2=W 50 2 5 V 3/6 (-3/2)=32=0 y=-5(65.C Made with Goodnotes

