Ben Ridenbara t= 120in-82in=38in = 156in 38in = 156in 38in 3-2. 10ft x 12 = 120 in. 0= +an-1 (38/156) = 13° 0=120-90= 3-5 Agail = 200 x 300=60,000 m² x= 200 (tan(300)) = 115.47 200 Act triangle = 2(200)(115.47) = 11547.01 A=60,000-11547=48452m2 His answer is fairly correct 3-7 20 = sin'(50/80) =38.68° 0=2(38.68°) = (77.36°) 3-10 X= 1.5 (cos (450))=1.06 P(1.06, 1.06) Y= 1.5 (sin (450))= 1.06 3-13 X=1.5(cos(-450))=-1.05 P(-1.06, -1.06) Y= 1.5(sin(-450)) =-1.06 3-16 a. 1=5 cm $\theta=\frac{1}{4}$ tan-1(4/3)=53.130b. 1=5 cm $\theta=\frac{1}{4}$ tan-1(4/3)=53.130c. $1=\sqrt{16}$ cm $\theta=\frac{1}{4}$ tan- $1(4/5)=\frac{1}{4}$ cm $\theta=\frac{1}{4}$ tan- $1(4/5)=\frac{1}{4}$ -38,65 WARE