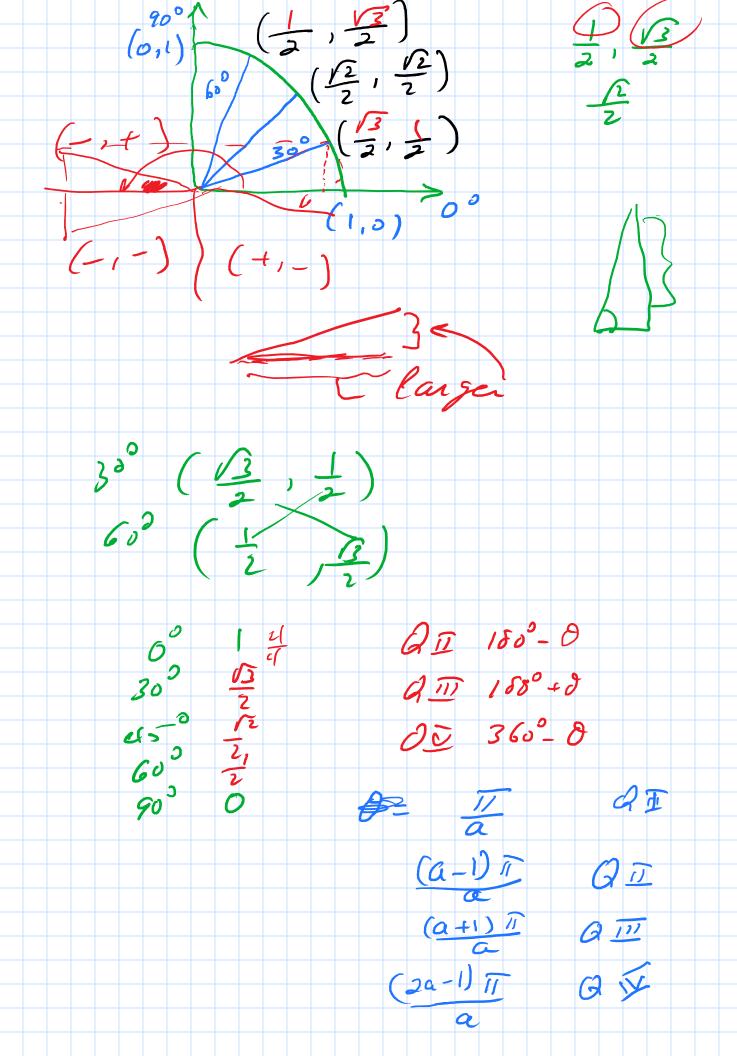


x = y = x 5140 - 3 CDO = X 2 coso + 2 sin 2 = 12 y= ハSハレ ×= ハいり Polor Cos o + pin o = 1  $\Lambda \neq O$ cus a + sin a = 1 cosa = (coa), means ≠ Cos 2 x = cos (2x) double + Cus x mean  $Cos(\alpha^2) = cos \alpha^2$   $cos(\alpha^2)$  $(cos \alpha) = cos 2\alpha$   $= cos^2 \alpha$  $\frac{\cos^2\theta}{\cos^2\theta} + \sin^2\theta = 1$   $\frac{\sin^2\theta}{\cos^2\theta} = \frac{\sin^2\theta}{\cos^2\theta}$   $\frac{1}{\sin^2\theta} + \tan^2\theta = \sec^2\theta$ cot 0 + 1 = coc 0 coso + sino = 1 -> coso = 1 - sino Sin 20 = 1- (0) 20 50'n0 = fy/- Cos ?0

$$30^{\circ} - 60^{\circ} - 90^{\circ}$$

$$2t - 60^{\circ} - 90^{\circ}$$

$$2t - 60^{\circ} + 27$$



6. d Right 1 Ex BASC, C = 90° A = 40°, C= 12 150°-(A-1C) (2/ A 5 B = 90° - A = 20° - 40° 5 in 40° = a = 12 sin 40° ~ 7.7 cm Cur do = 5 b = 12 Cosco ) ~ 9.2 cm Given hyp Sine -> opp.
Cosine -> adj no hy stangent 5in 350 = 18 X+18 X+18=18 sin350 X - 18 - 18 sin 350 25 13 in S

Doly clevation Ex x=52,6°  $5in 52.6^{\circ} - \frac{h}{213}$   $h = 213 pin 52.6^{\circ}$