Polar Coordinates

Fundamentals

(c, 0) for c > 0

Mitrol line = positive A

pace

unital line / 0° = 0°

c= Vec2+42 & & Q= 6an-1 (yac)

 $\Rightarrow \sin\theta = \frac{9}{7} \approx \cos\theta = \frac{37}{7}$

. 2 B

 $= \underbrace{3c^{2}}_{c^{2}} - \underbrace{4^{2}}_{2} \Rightarrow c^{4} = 3c^{2} - 4^{2}$ $(4x^{2} + 4x^{2})^{4} = 8c^{2} - 4^{2}$ $(x^{2} + 4x^{2})^{4} = x^{2} - 4^{2}$

 $f_{\text{og}}, \quad y^2 = 8\pi c \quad \text{sc} \quad \text{sc} \quad \text{sc} \quad y = \sin \theta c, \quad \text{sc} = \cos \theta$

 $r^{2}\sin^{2}\theta = 8\cos\theta \implies r\sin^{2}\theta = 8\cos\theta$ $r = \frac{8\cos\theta}{\sin^{2}\theta} = \frac{8\cos\theta}{\sin\theta} = \frac{1}{\sin\theta}$

= Scot A cisech

L

Myr-bing Poems

2

New	- cotoc = 1/6anoc Third letter!	
identities	Maria Ma	
	- cosecoc = Vsinoc	
	Comment of the contract of the	
	- Secoc = 1/cosoc	
	× ×	
Spiral	c= 2+0	
	(a)) (a) (a) (b) (a) (b) (a) (a) (b) (b) (a) (b) (b) (b) (b) (b) (b) (b) (b) (b) (b	
	2 12 1	
	- V=0°	
	811	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	10 T/4 T/2 3T1/2 TT/2 7T1/2 7T1/2	
	मिट्य 0 ता 2ता उत्त भूग Sता Gता निता	8n
D-Calf-lines	A = of form. Fag., A = T/4	
	Many was V	
	- 2 A Q 2 B 2 R V	
	TTC	
	4	
	Aug 8 2 day 8 = 1	
	State	

L

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Accs

Cardords

Since C - Format is $c = \alpha$, circle centre O & cadius a

Egg, c= 2a { # = 0 = 17}

> 0 = 0°

OR 1=2

c=2

r= a (1 + cos Q) ec c= a (1 + sio 2Q)

Iogo, r= a (1+0069)

Q Q -1.7a α -1.3a 0 ~0.3a α ~1.7a 2π