Kutupsal Koordinatlan

Or= H2rCosO kutupsal egrisinin kartezyen denklemi?

a) Doğrudur b) Gemberdir c) Kordiyaiddir

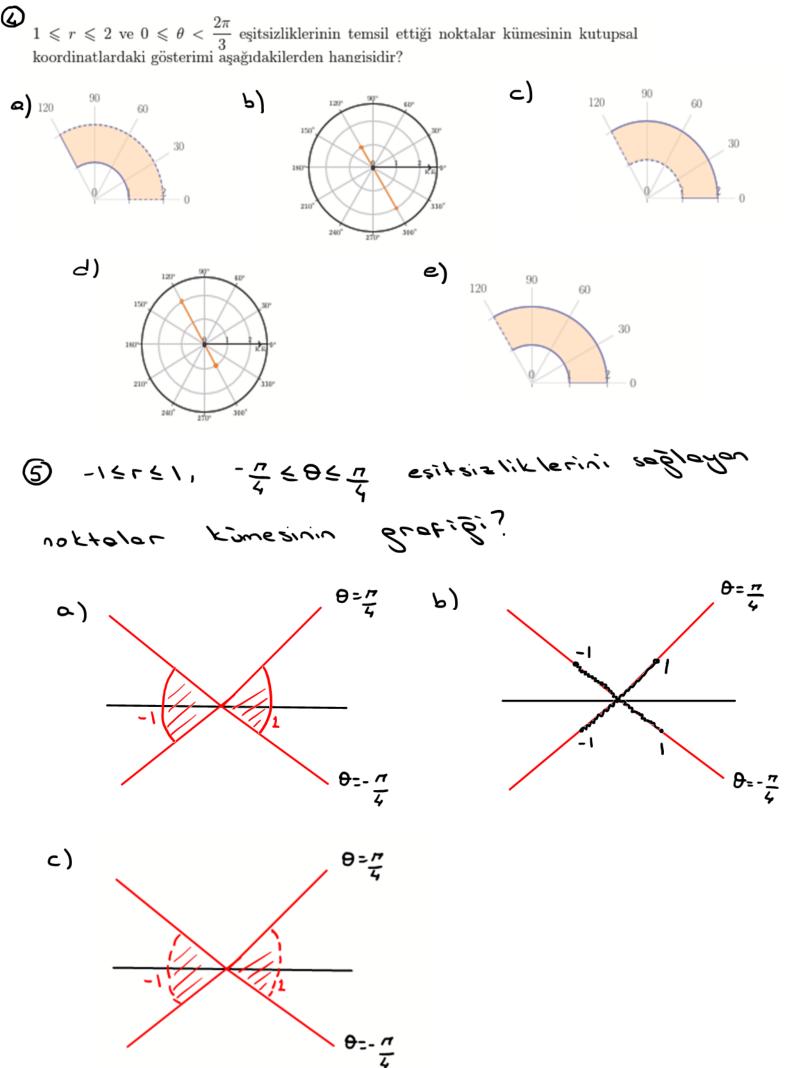
(ipucu: Kortezyen koordinatlandan yardım isteyin

3) Kartezyen koordinatlandaki (xiy)=(212)

noktaini asağıdaki kutupsal koordinat

tiftlerinden hangileri ile ifade edebiliriz?

I.
$$(2\sqrt{2}, \frac{7}{4})$$
 II. $(-2\sqrt{2}, \frac{57}{4})$ III. $(2\sqrt{2}, -\frac{77}{4})$



a)
$$\left(-\frac{3\sqrt{3}}{3}, \frac{2}{3}\right)$$
 b) $\left(\frac{3\sqrt{3}}{3\sqrt{3}}, -\frac{2}{3}\right)$ c) $\left(-\frac{3\sqrt{3}}{3}, -\frac{2}{3}\right)$

$$4)\left(\frac{5}{3\sqrt{3}},\frac{5}{3}\right)$$

- (7) r=2CosA egrisinin icinde r=12 nin disinda kalan alani veren integral?
- 8) r= 2 Cost disinde, r=12 nin icinde kalan alam veren integral?
- 3) r=3 Coso icinde r=1+coso disindo n alani veren integral?
- (10) r=3Cost disinda, r=1+cost icinde kalan alani
 veren integral?
- (1) r=1-sind icinde, r=sind disinda kalan
 alani veren integral?
- (2) r=1-Sind disinda, r=sind itinde kalan
 elani veren integral?
- (3) r=1-5:00, r=5:00 ortok alan veren integral?
 - (14) L=1 L=1-Coso ortox alan veren integral?
 - (5) L=1 .c., L=1-Co20 91210/our recev integrals
 - (= 1 9121 L= 1-CO18 ici alan veren integral)
- (1) r=4, $\theta=\frac{7}{2}$, $r=2\sec\theta$ arosinda kalon alanı veren integral?

$$= \int_{0}^{-1} (-8f_{5})qt$$

$$= \int_{0}^{-1} st dt \qquad PI = \int_{0}^{-1} (-5t 5t) dt \qquad CI = \int_{0}^{-1} 8f_{5} qt$$

$$t=2$$
 deti tegetivia eğimi?

$$a \frac{1}{e^2}$$
 $b)4e^2$ $c)-4e^2$ $41-\frac{4}{e^2}$ $e)e^2$

(a)
$$A = 5 \times 4 \times 8$$
 b) $A = 3 \times 4 \times 8$ become this equivalent of the substant of $A = 3 \times 4 \times 8$ become this equivalent of $A = 3 \times 4 \times 8$ b) $A = 3 \times 4 \times 8$ c) $A = 3 \times 8 \times 8 \times 8$ c)

$$a) t = \frac{\pi}{6} \quad b) \quad t = \frac{\pi}{4} \quad c) \quad t = \frac{\pi}{3} \quad d) \quad High in \quad t \quad de \overline{g}er, \quad i \leqslant i \land n$$

$$e \overline{g}im - l \quad ol mo \quad e \overline{g}im - l$$

24) P(-1,2,3) den gecen, 3:=1+21 ve 7=27-31 vektorlerine
paralel dizem?

a)-6x+3y+4==0 b)-6x+3y-4==0 c)6x+3y+4==-15

dir opu ne b(3'1'-1) vortornquu becev gospen;

(26) Azağıdakilerden hangisi yanlıstır?

2-2-4

a) x+2y+3z=5 ile x-2y+z=3 birbirine diktir

b) x-2y+5==1 dizlemi ile x=2-t , y=1+2+, z=+-1 dogrum

c) 2x+3x+2=2 dizlemi ile 4x+6y+22=4 dizlemi paraleldir

3=7-4) qogun ile 2=-5+++) qogun borale/que x=3+5+

e) 2x+3y+2== 5 dozlemi ile x=2+4+ dogrusu paraleldir.

(3) A(1,1,21, B(0,2,31, C(2,1,1) noktobrudon gecen düzlem)

01 x=1-f p1x+2=3 c1x+5=3 q12+5=3

doğrusuna paralel ve (1,0,2) noktasından geren doğrusuna paralel ve (1,0,2) noktasından geren

7=-3+ 7=-3+ 7=-3+ 7=-3+ 7=-3+ 7=-3+ 7=-3+

 iteren dielemin denklemis

(3) A(1.6,-4) noktoendon gecen ve $\begin{cases} z=3-t \\ z=2-3t \\ z=3-t \end{cases}$ doğrusun

c) x = 7 + 3f $\lambda = 1 + 7f$ 5 = 8 + 6fP) x = 7 + 6f $\lambda = 1 + 15f$ 5 = 8 + 6fO) x = 6 + 7f $\lambda = 15 + f$ 5 = 6 + 8fO) x = 6 + 7f $\lambda = 15 + f$ 5 = 6 + 8f(1) $\lambda = 6 + 7f$ $\lambda = 15 + f$ $\lambda = 6 + 8f$ (1) $\lambda = 6 + 7f$ $\lambda = 15 + f$ $\lambda = 6 + 8f$ (1) $\lambda = 6 + 7f$ $\lambda = 15 + f$ $\lambda = 6 + 8f$ (2) $\lambda = 6 + 7f$ $\lambda = 15 + f$ $\lambda = 6 + 8f$ (3) $\lambda = 7f$ $\lambda = 1 + 15 + f$ $\lambda = 6 + 8f$ (4) $\lambda = 1 + 15 + f$ $\lambda = 1 + 15 + f$ $\lambda = 6 + 8f$ (4) $\lambda = 1 + 15 + f$ $\lambda = 1 + 15 + f$

a) L(t)=(e+cost 'e+e:u+'e+) sérisjuin

Offel acopières pou biziquis

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-15+51 = 0-01/8, ugor, noningni -15+51 = 0-01/8, ugor, noningni (3) = (1++5)3/5-1+(3-+5)3/5-1+(4+5) f seligium

9) O(x,y)= {(x,y)1-22 < x < 22, -1 < x < 0,0 < x < 1}

$$\frac{(x,y)+(0,0)}{(x,y)+(0,0)} = \frac{x\cdot x+3x}{(x+3)+(0,0)} = \lim_{x\to x} \frac{x\cdot x+3x}{(x+3)+(0$$

ezagigarijenden paraizi gabingnis

I. (0,0) da tanımlıdır

I. (0,0) da limiti mercuttur

III. (0,0) da süreksizdir cünkü limiti 1 dir

IV. (0,0) da süreksizdir cünkü limiti yoktur

itage seziugeu paudisei gabungals

II,II/2 $\Omega,I/2$ $\Omega,I/2$ $\Omega,I/2$