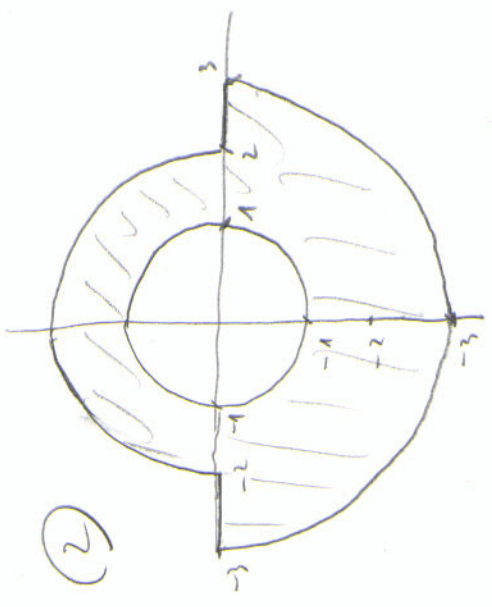
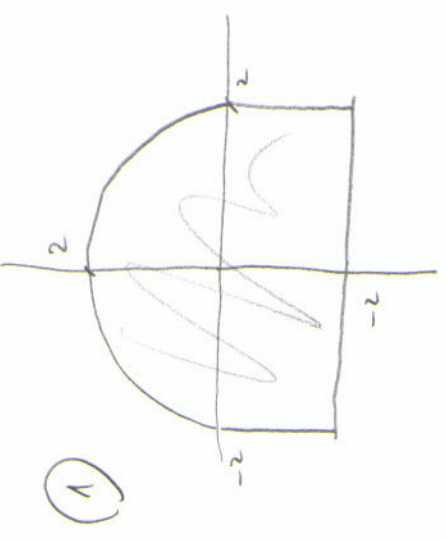


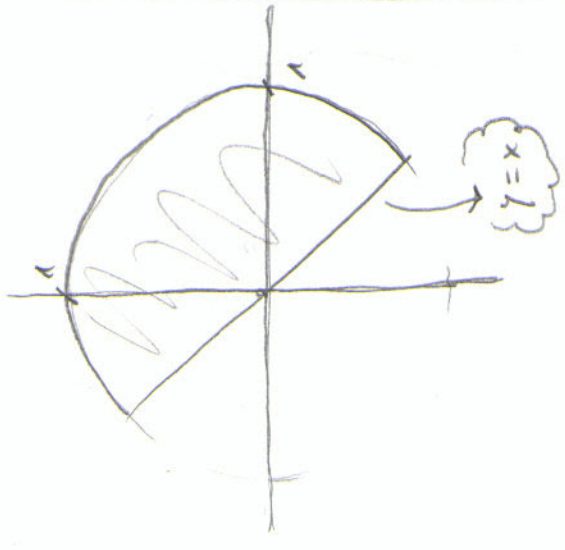
I

Separo en zones
per descriure en
coord. cartesianes
i en polars.

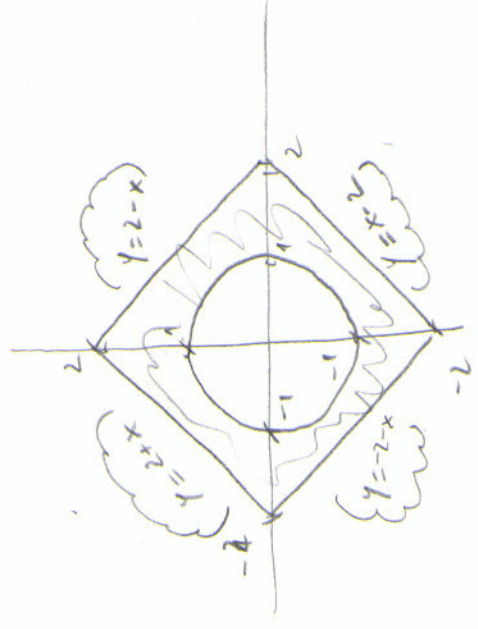
Resol en ls coord.
més fàcils, en
cada cas.



③

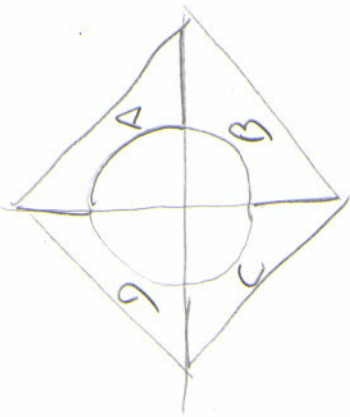


④

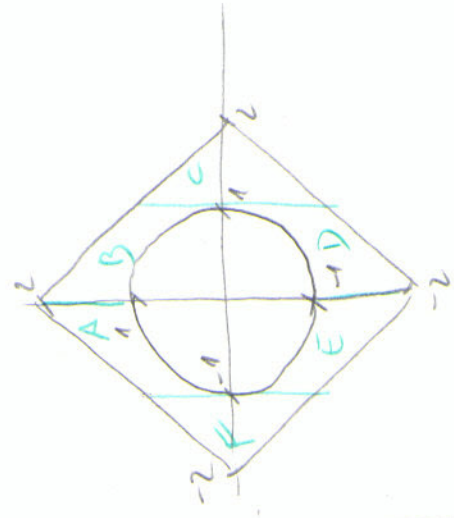


II

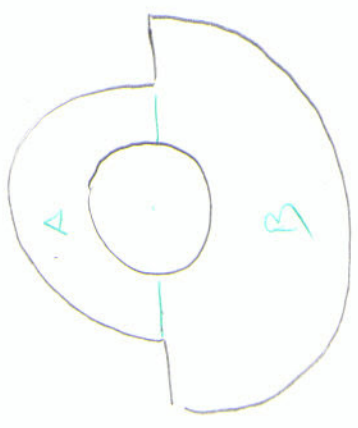
(1) POLARS, 4 ZONE



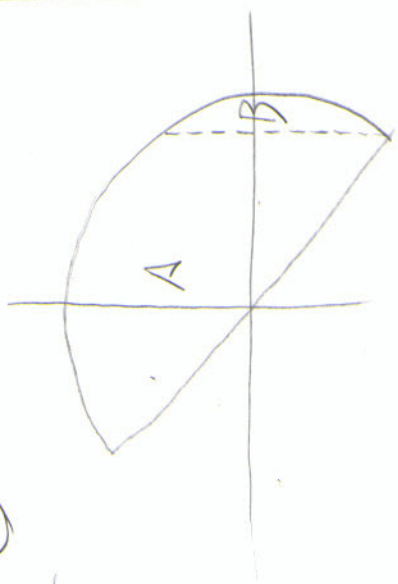
CARTESIANS, 6 ZONE



(2) POLARS, 2 ZONE



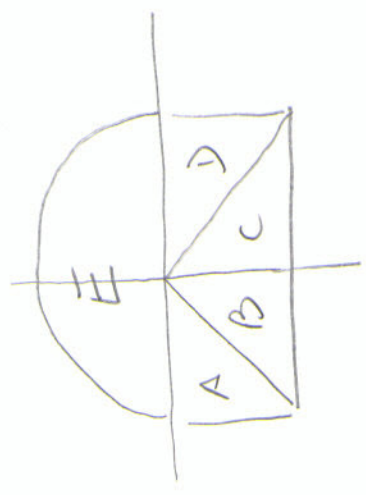
(ARTESIANS, 2 ZONE)



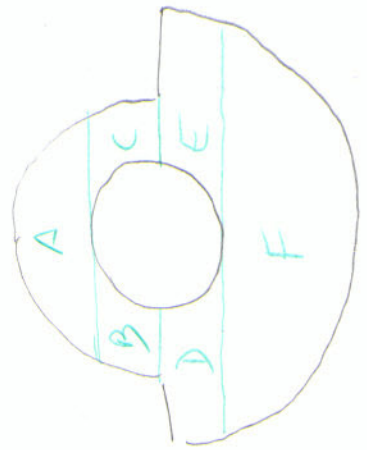
POLARS, 1 ZONA

(1) CARTESIANS, 1 ZONA

POLARS, 4 ZONE



(2) CARTESIANS, 5 ZONE



3) DESCRIBIR EN POLARS

$$\left\{ \begin{array}{l} -45^\circ \leq \theta \leq 135^\circ \\ 0 \leq r \leq 1 \end{array} \right.$$

1) DESCRIBIR EN CARTESIANES

$$\left\{ \begin{array}{l} -2 \leq x \leq 2 \\ -2 \leq y \leq \sqrt{2^2 - x^2} \quad (\text{cuant.}) \end{array} \right.$$

4) DESCRIBIR EN POLARS

ZONA A

$$0 \leq \theta \leq 90^\circ$$

$$1 \leq r \leq 2$$

$\left\{ \begin{array}{l} \text{recta} \\ y = 2 - x \end{array} \right.$

$r \sin \theta = 2 - r \cos \theta$
 $r(\sin \theta + \cos \theta) = 2$
 $r = \frac{2}{\sin \theta + \cos \theta}$

ZONA B

$$\left\{ \begin{array}{l} 0 \leq \theta \leq 90^\circ \\ 1 \leq r \leq 2 \end{array} \right.$$

$r \sin \theta = 2 - r \cos \theta$
 $r(\sin \theta + \cos \theta) = 2$
 $r = \frac{2}{\sin \theta + \cos \theta}$

... (simblant B, D)

2) DESCRIBIR EN POLARS

ZONA A:

$$\left\{ \begin{array}{l} 0 \leq \theta \leq 180^\circ \\ 1 \leq r \leq 2 \end{array} \right.$$

ZONA B:

$$\left\{ \begin{array}{l} 180^\circ \leq \theta \leq 360^\circ \\ 1 \leq r \leq 2 \end{array} \right.$$