

$$\begin{cases} f(x,y) = \lim_{x \to \infty} (xy) \\ \chi^2 + y^2 - 25. \end{cases}$$

$$D = \begin{cases} (x,y) \in \mathbb{R}^{2} / (x^2 + y^2 - 25) \neq 0 \end{cases}$$

$$\chi^2 + y^2 \neq 25$$
All the points except in the bluy.
$$\begin{cases} y - x^2 \\ y - x^2 \end{vmatrix} = 1 \end{cases}$$

$$\begin{cases} y - x^2 = 1 \\ y - x^2 = 1 \end{cases}$$

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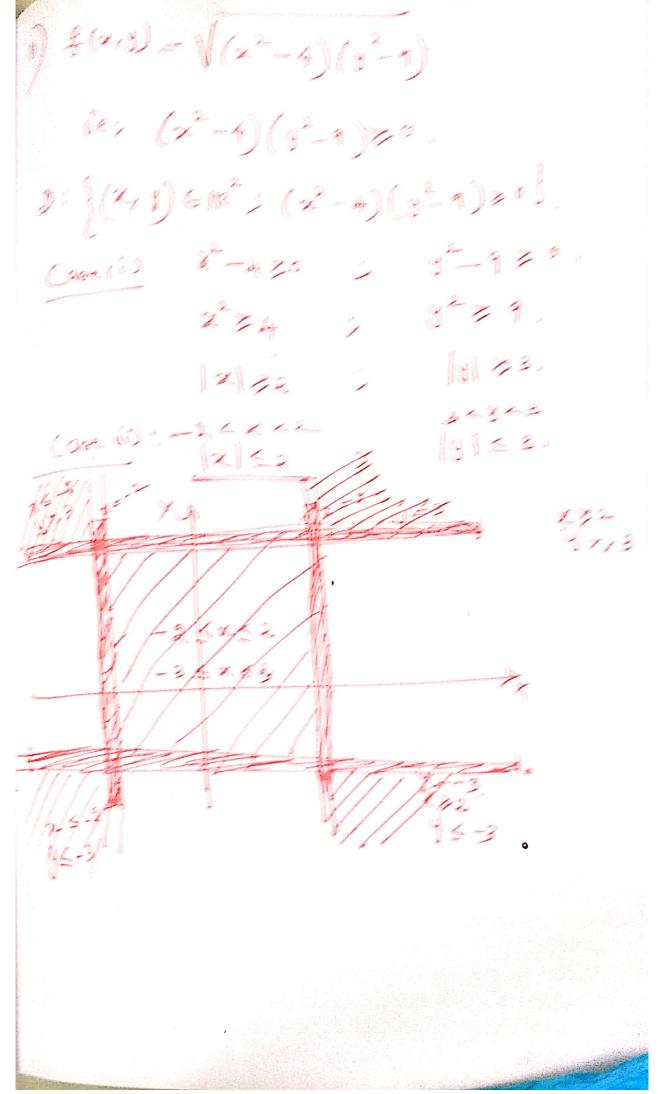
$$\begin{cases} y - x^2 = 1 \\ y - x^2 = 1 \end{cases}$$

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10)
$$f(x,y) = ln(xy + x - y - 1)$$

 $x(y + x - y - 1 > 0$
 $x(y+1) = l(y+1) > 0$
 $(x-1)(y+1) > 0$
 $(x-1)(y+1) > 0$
 $(x-1)(y+1) > 0$
 $x > 1$
 $y > -1$
 $x > 1$
 $y > -1$
 $x > 1$
 $x > 1$
 $y > -1$
 $x > 1$
 $x > 1$
 $y > -1$
 $x > 1$
 $y > -1$
 $y > -1$



Scanned with CamScanner

