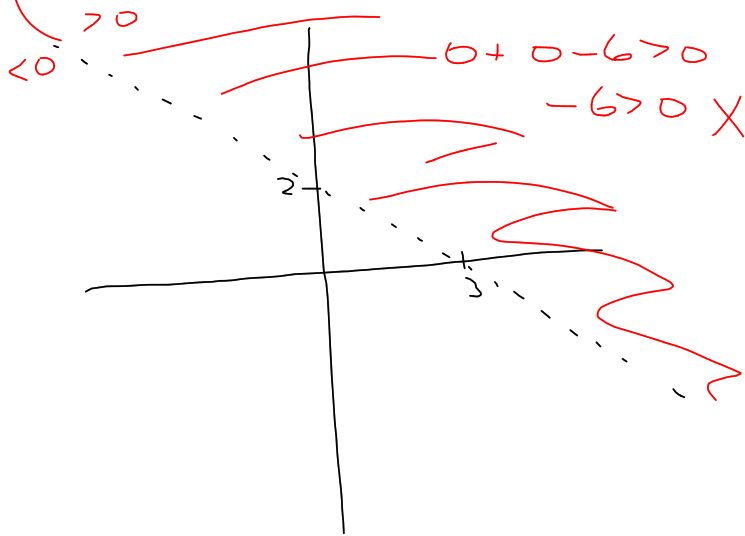


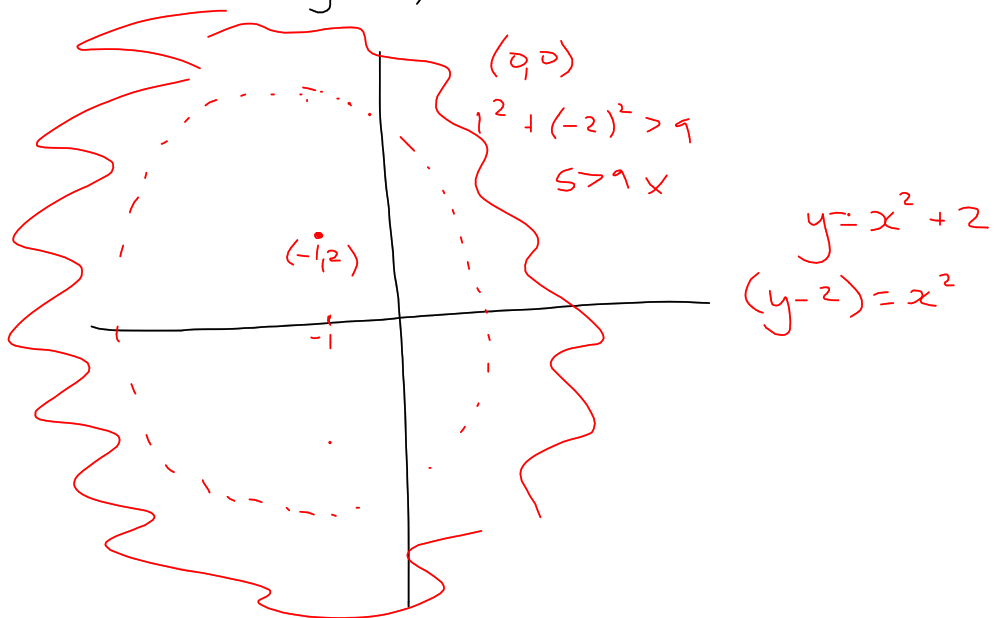
3a)

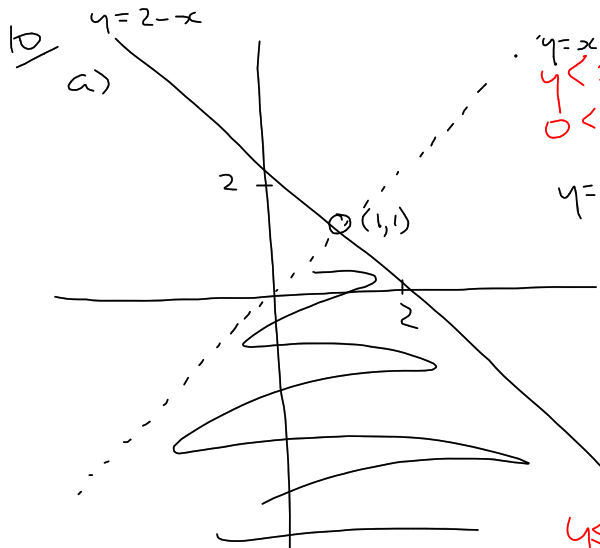
$$2x + 3y - 6 > 0$$

(0,0)



4d) $(x+1)^2 + (y-2)^2 > 9$



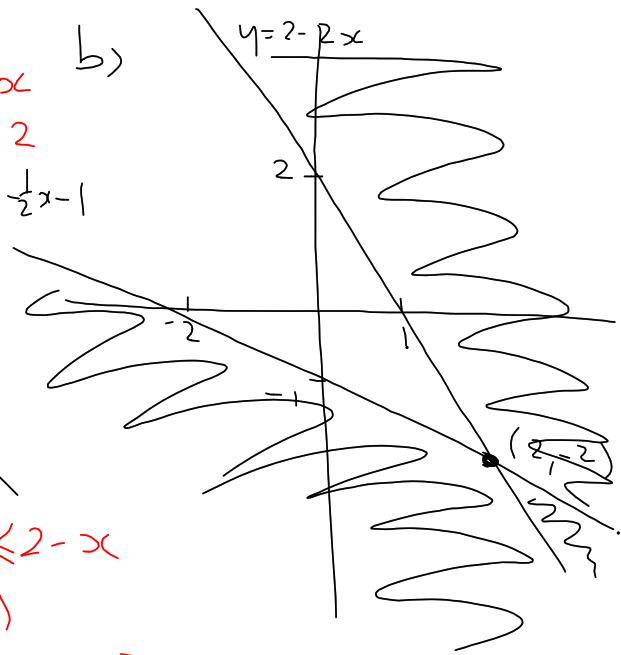


b)

$y < x$

$0 < 2$

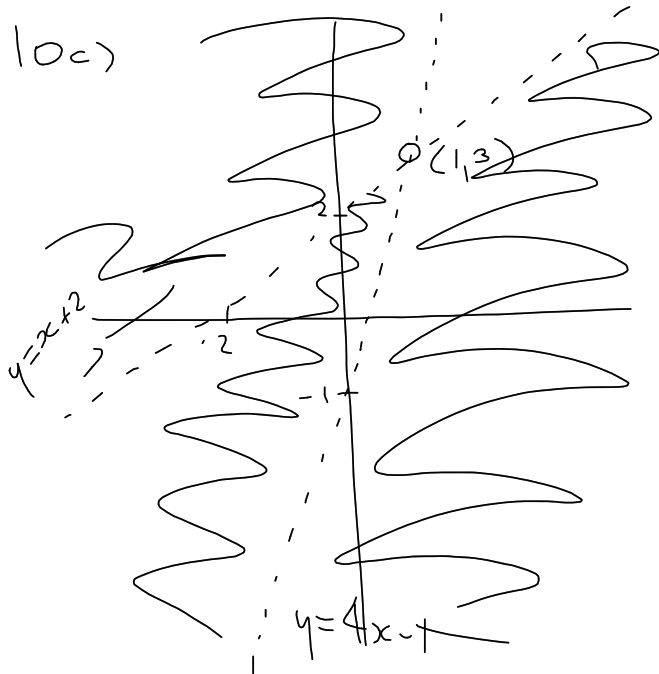
$y = \frac{1}{2}x - 1$



$y < x \cap y \leq 2 - x$

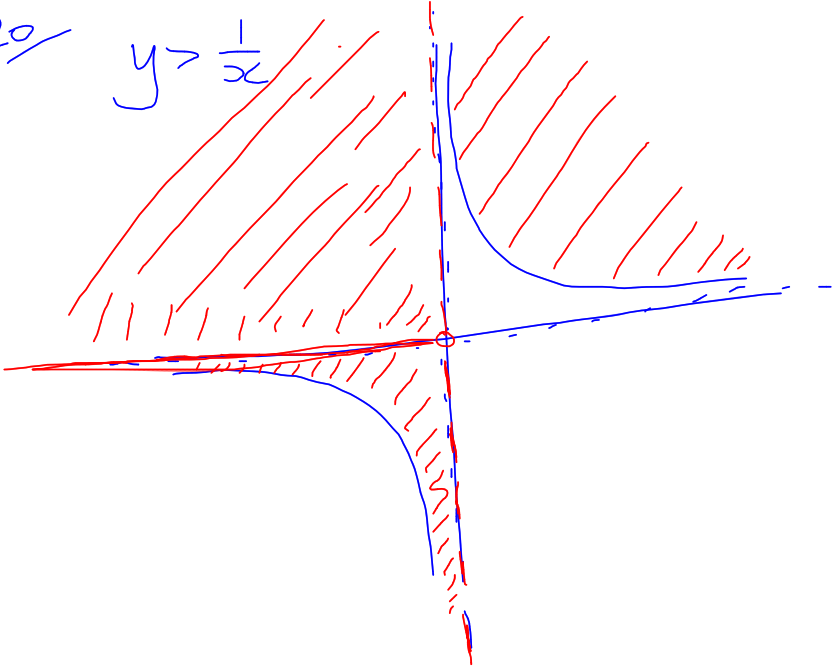
$(0, 0)$

$0 < 2 - 0$

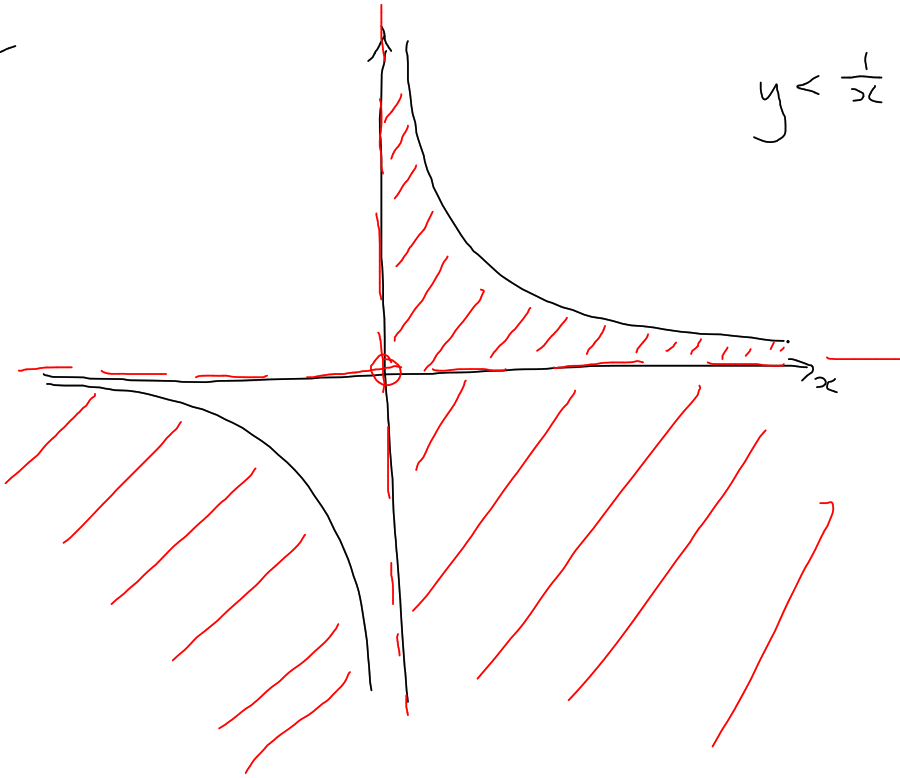


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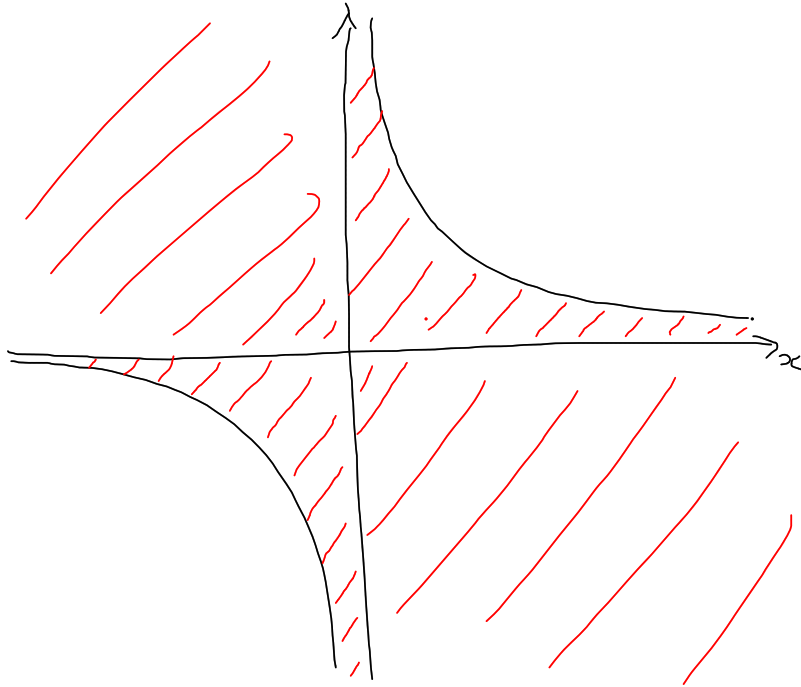
$$y > \frac{1}{x}$$



$\frac{1}{x}$

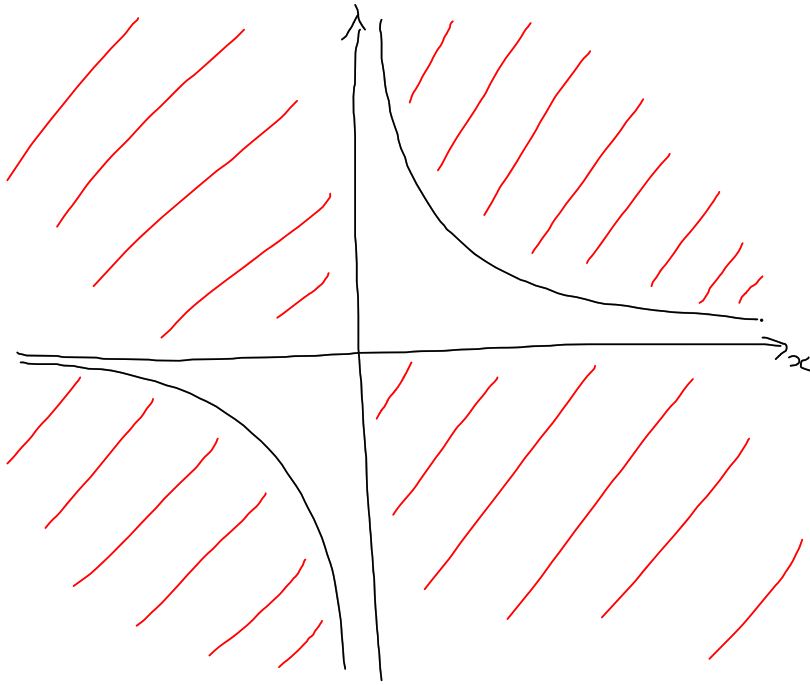


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$$xy < 1$$

2/3



$$1 > \frac{1}{xy}$$