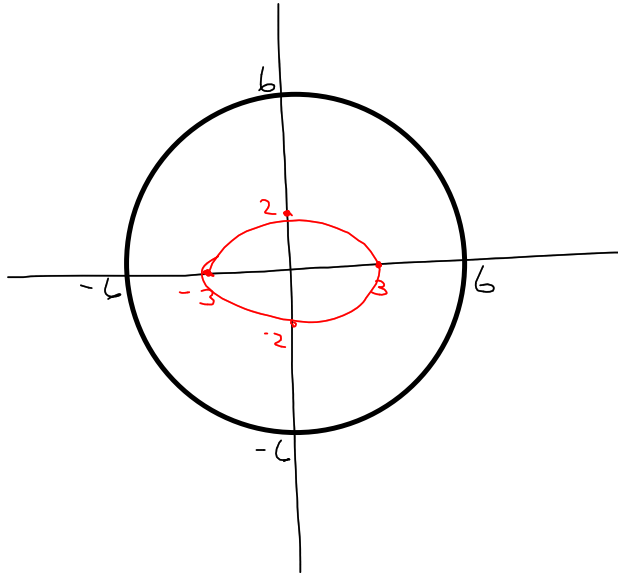
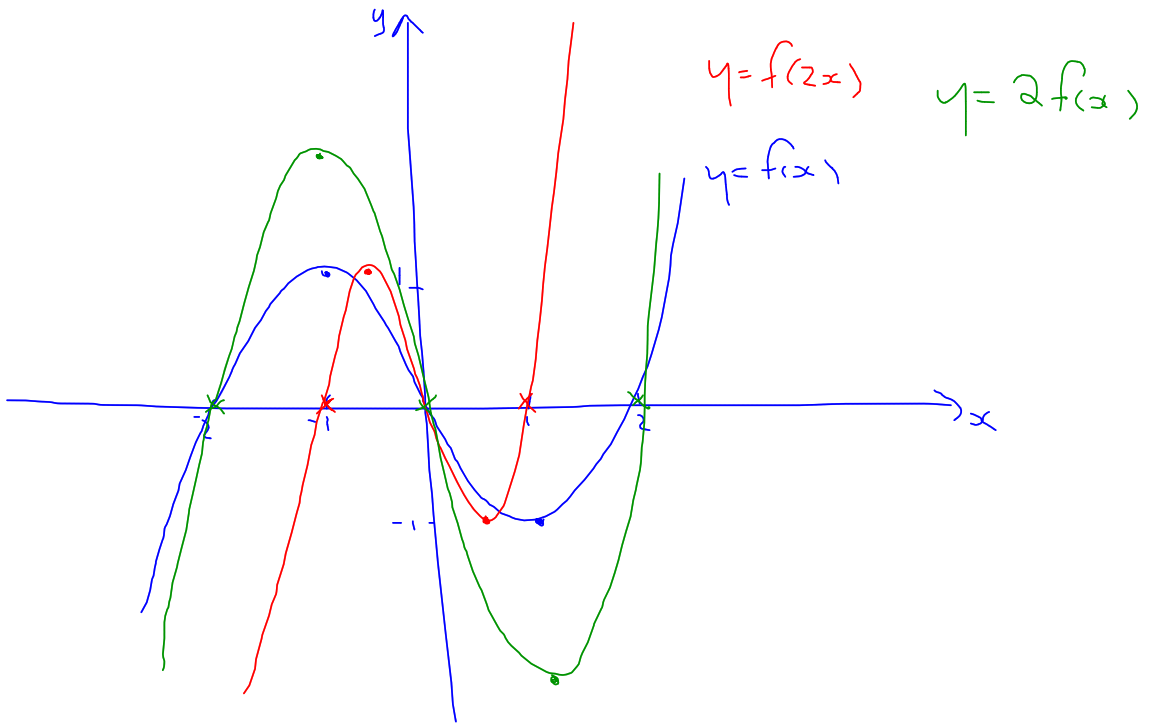


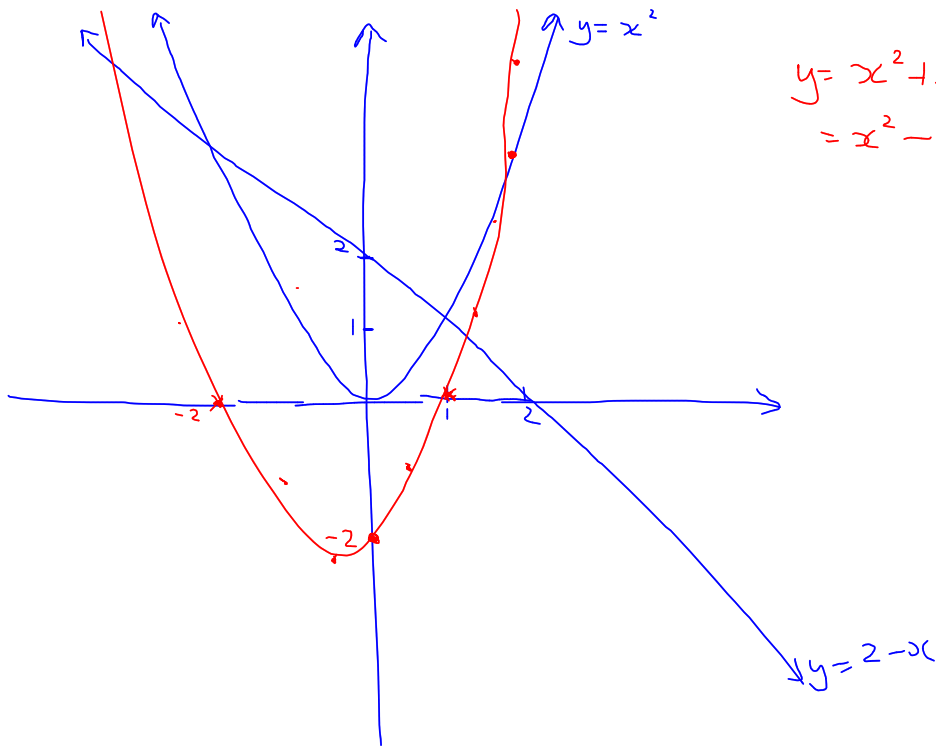
$$b) \quad x^2 + y^2 = 36 \Rightarrow (2x)^2 + (3y)^2 = 36$$



2



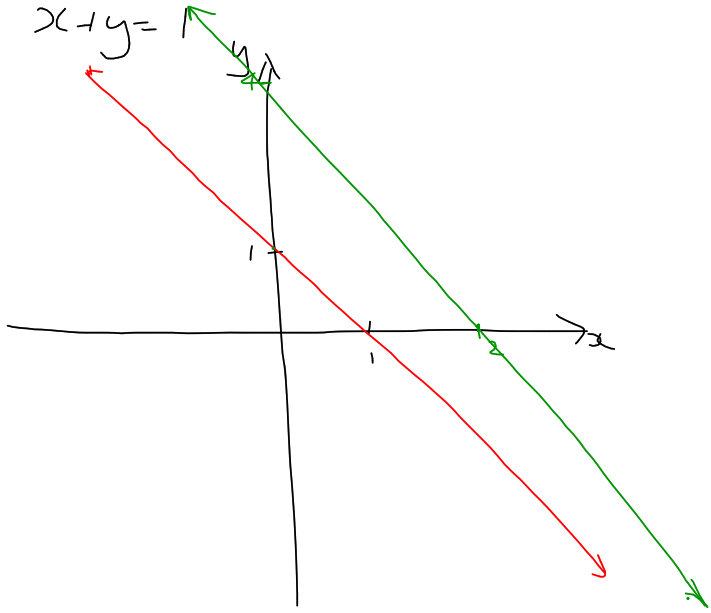
3b)



$$y = x^2 + x - 2$$
$$= x^2 - (2 - x)$$

4b

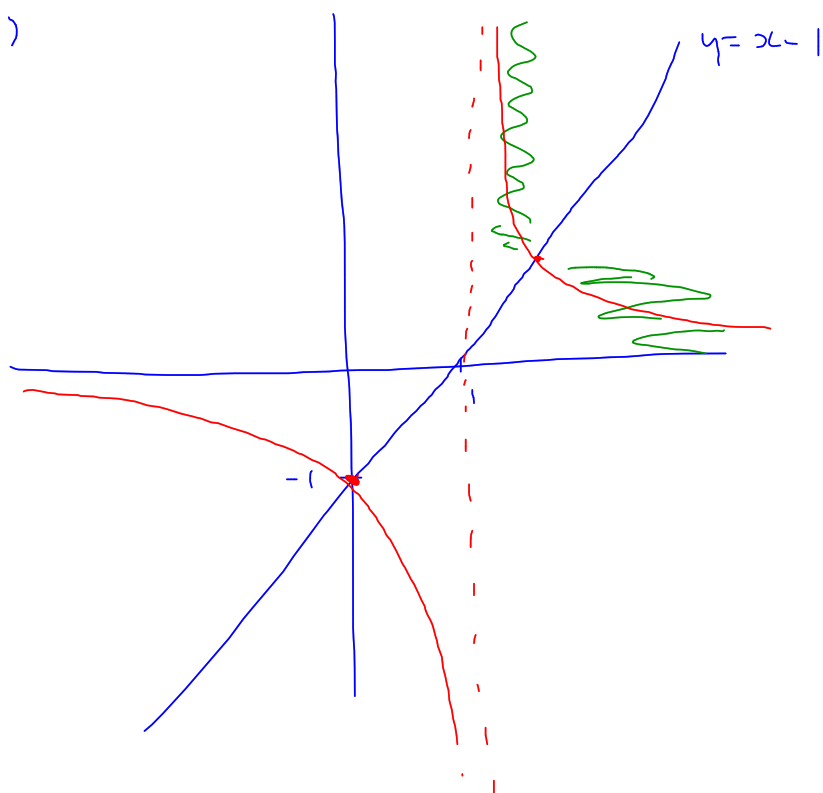
$$x+y=1$$



$$\begin{array}{cc} x & y \\ \downarrow & \downarrow \\ \frac{x}{2} + \frac{y}{4} = 1 \end{array}$$

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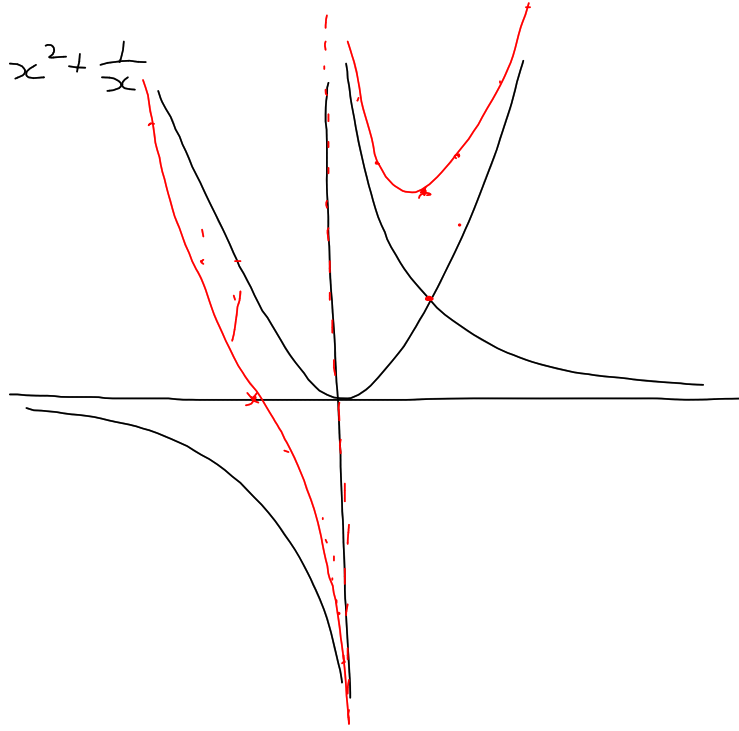
5 a)



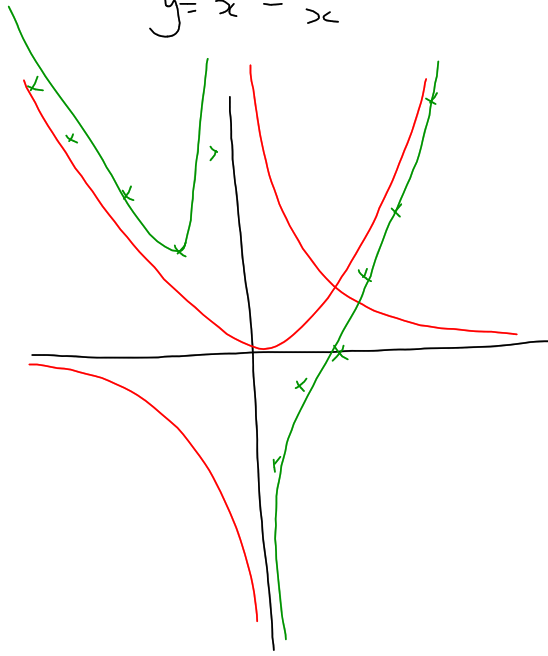
$$y = \frac{1}{x - 1}$$

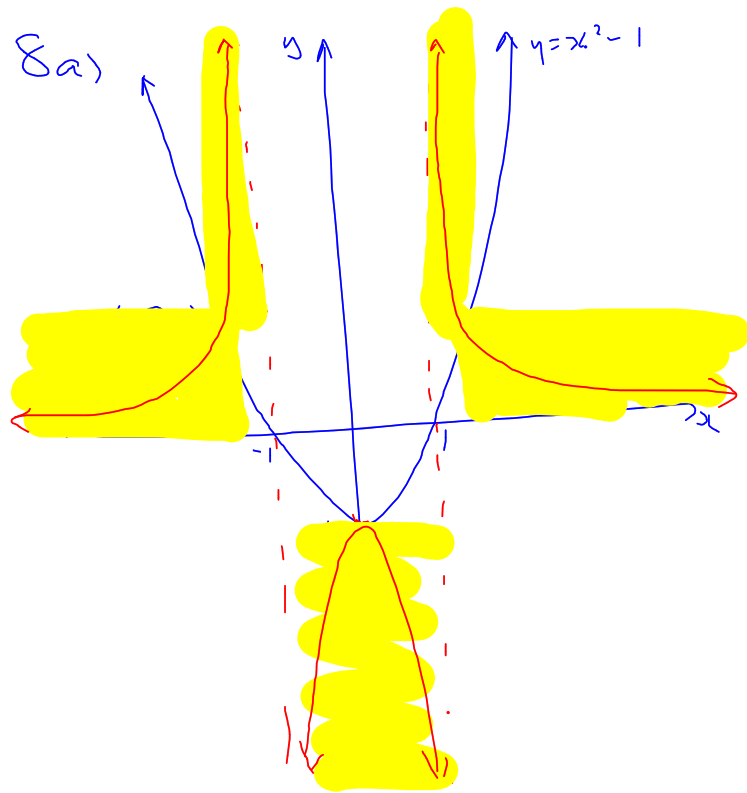
6b)

$$y = x^2 + \frac{1}{x}$$

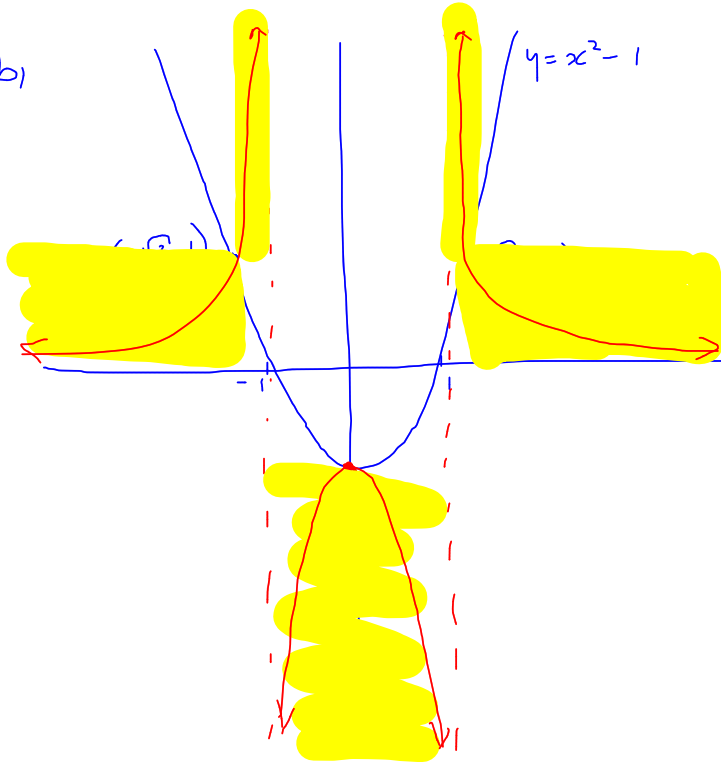


$$y = x^2 - \frac{1}{x}$$





8b)

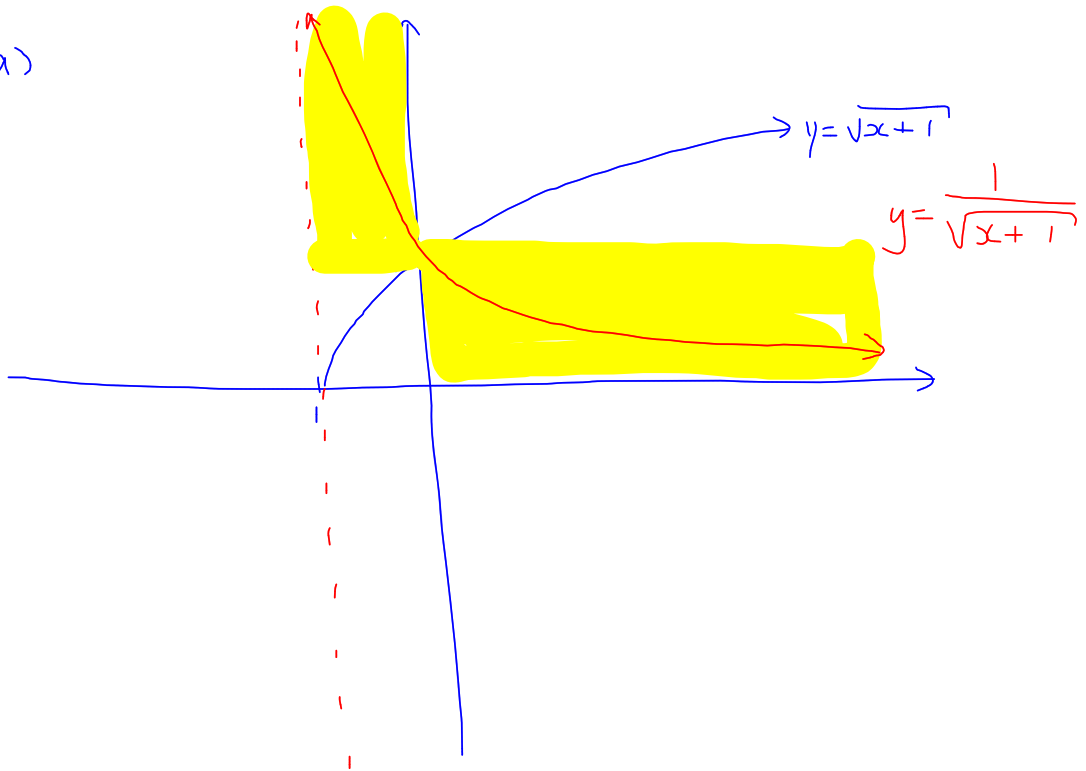


$$y = \frac{1}{x^2 - 1}$$

3



9a)



$$2/ \quad y - y_1 = m(x - x_1)$$

basic curve  $y = x$

shift  $x_1$  to right  $y = (x - x_1)$

shift  $y_1$  up  $y - y_1 = (x - x_1)$

make steeper  $y - y_1 = m(x - x_1)$

