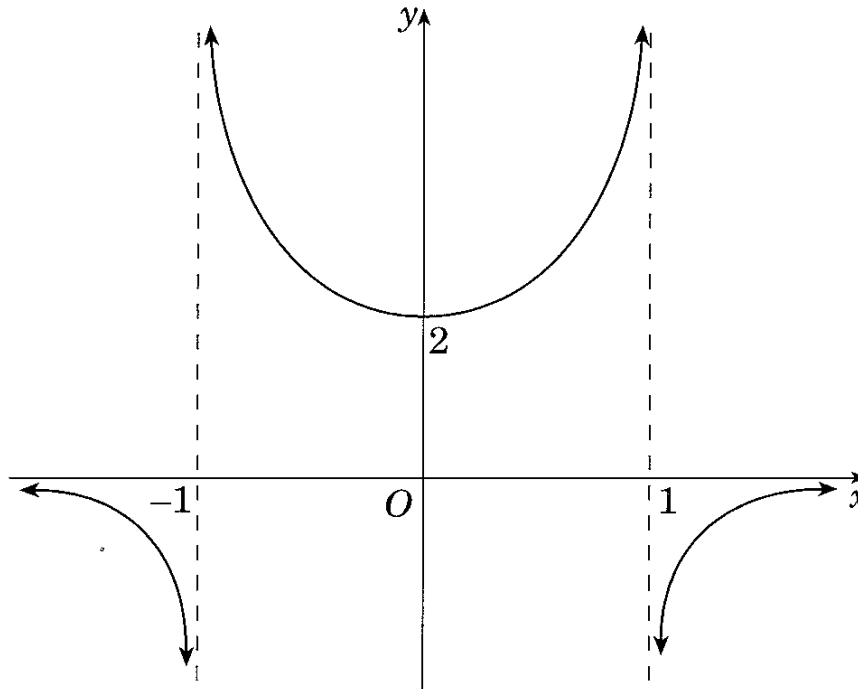


(J) Other Graphs

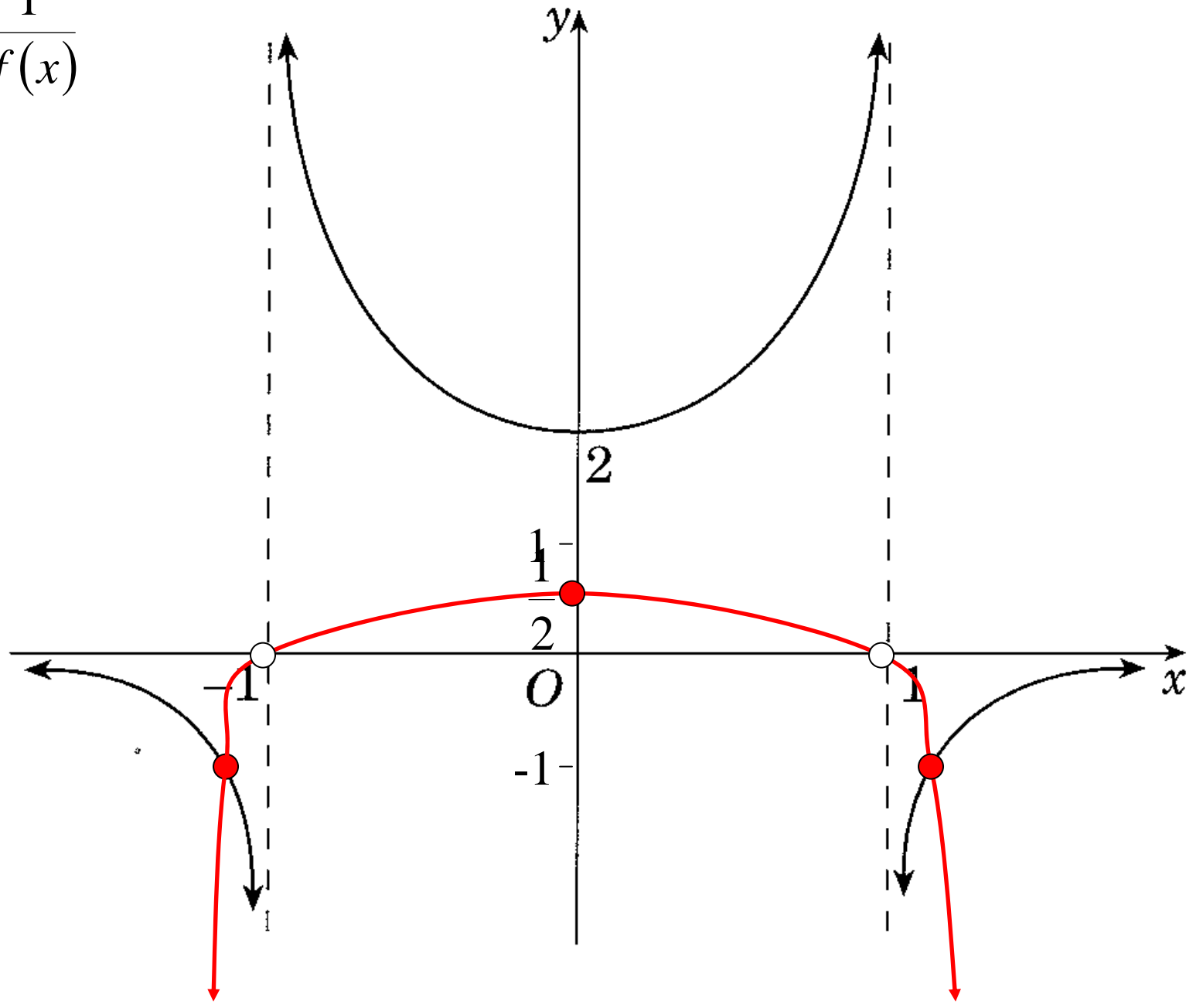
e.g. (i) (2003)

The diagram shows the graph of $y = f(x)$

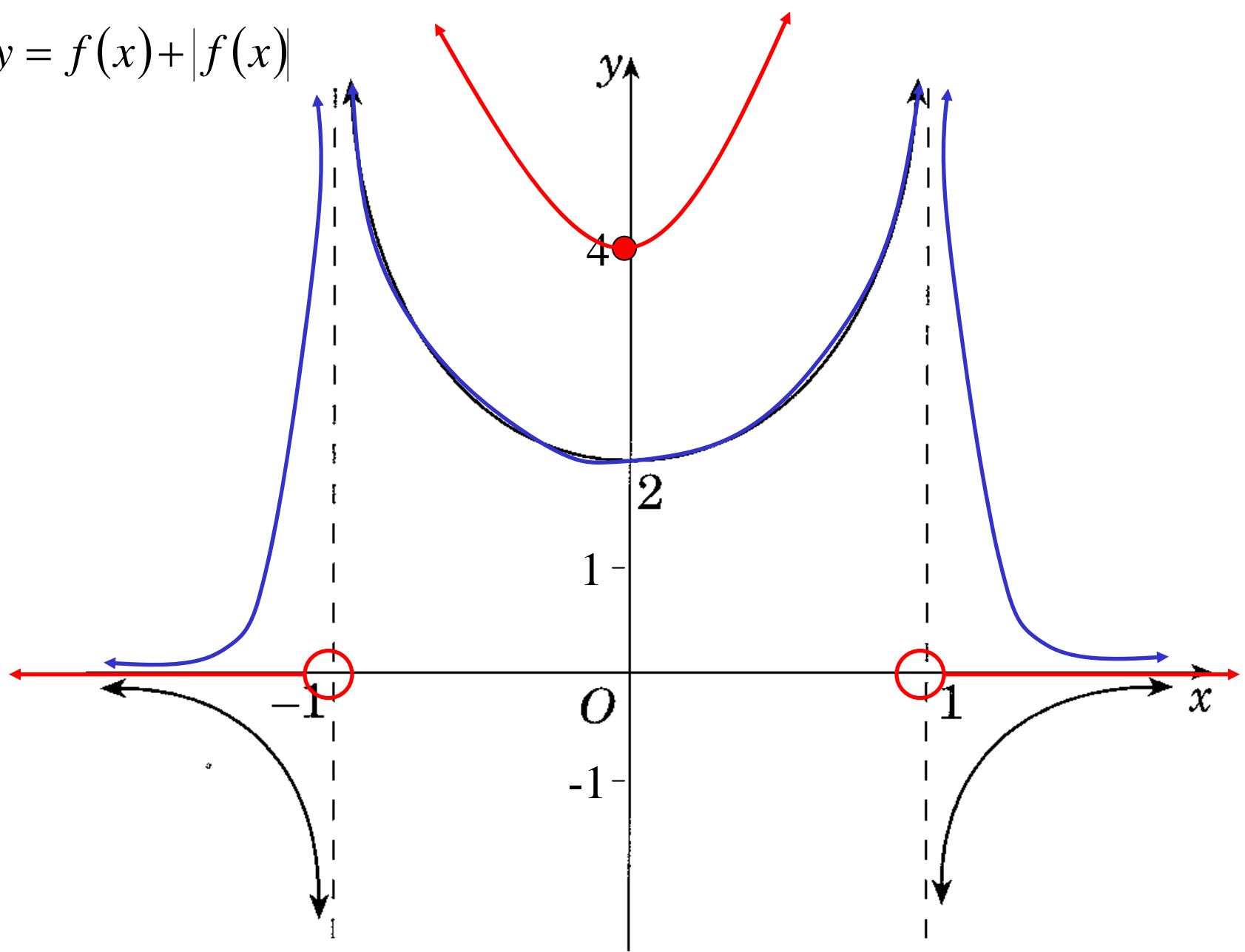


Draw separate sketches of the graphs of the following;

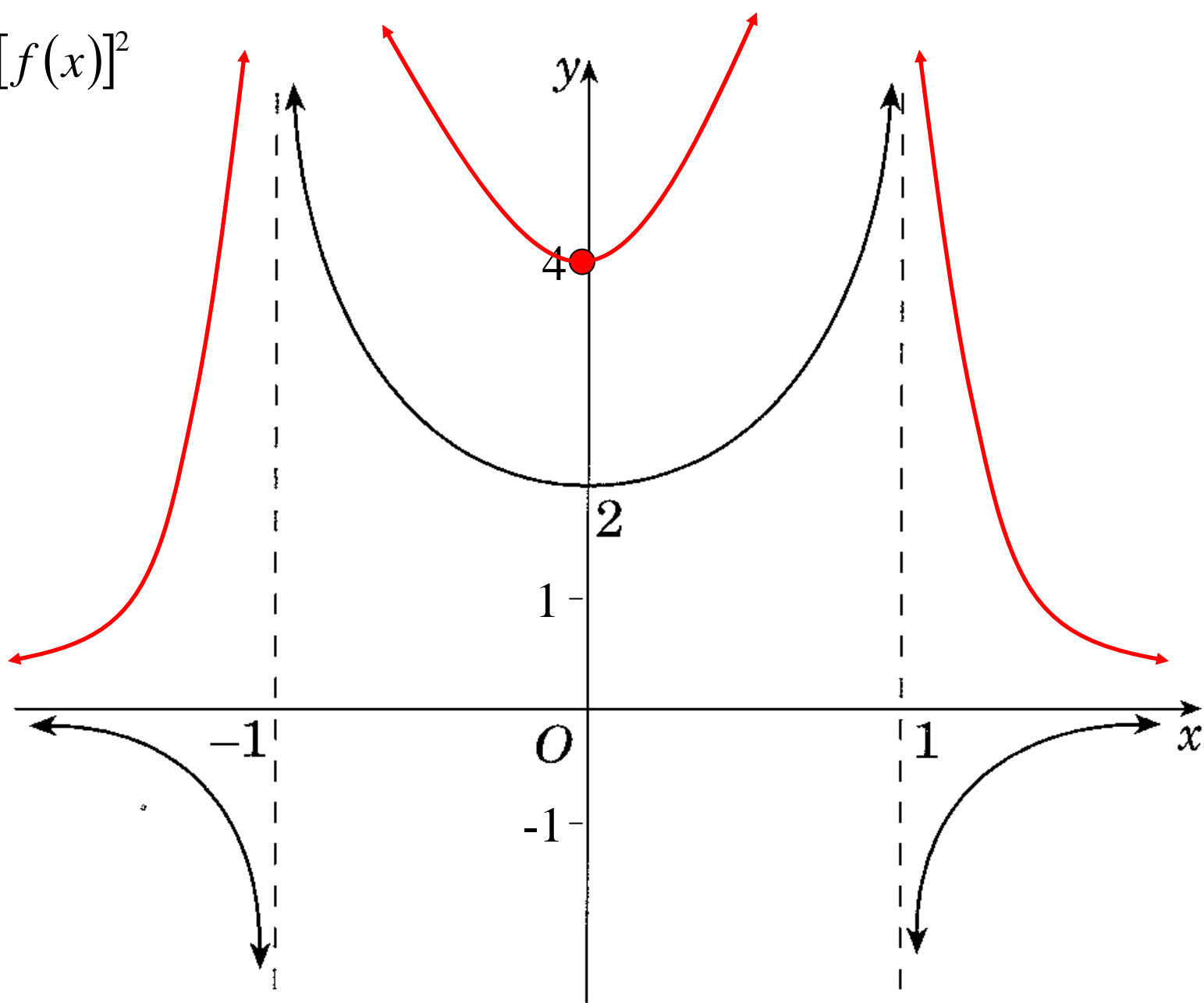
$$(i) y = \frac{1}{f(x)}$$



$$(ii) y = f(x) + |f(x)|$$



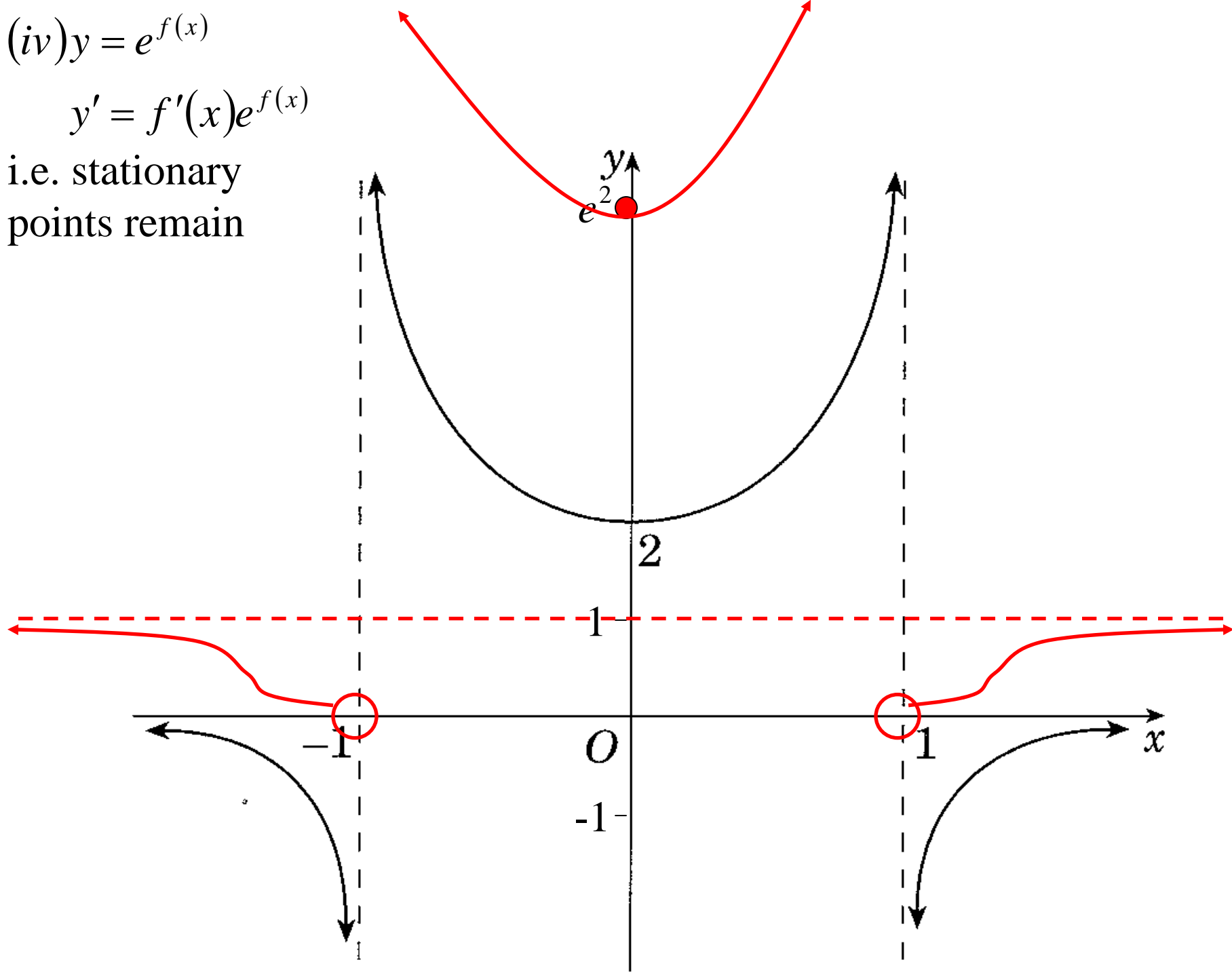
(iii) $y = [f(x)]^2$



(iv) $y = e^{f(x)}$

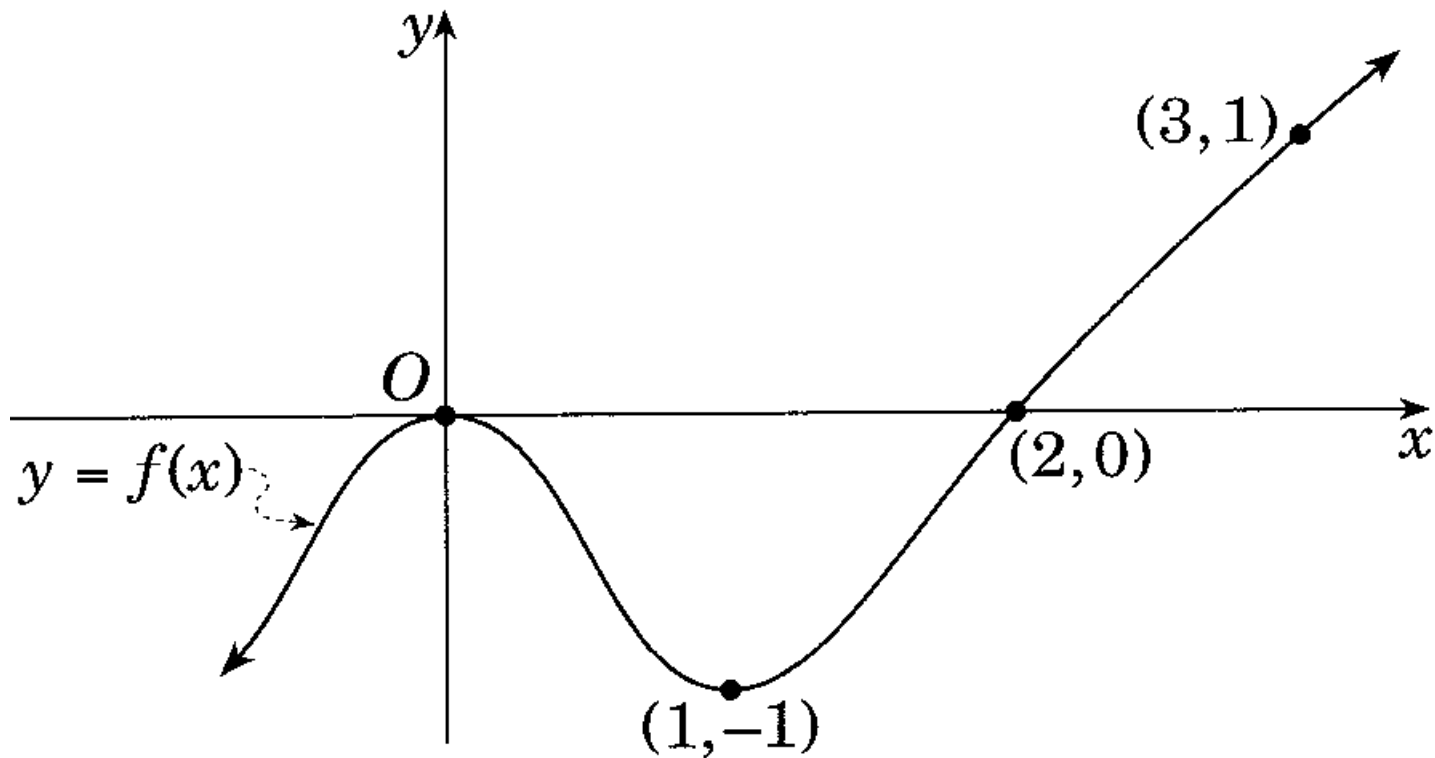
$y' = f'(x)e^{f(x)}$

i.e. stationary points remain



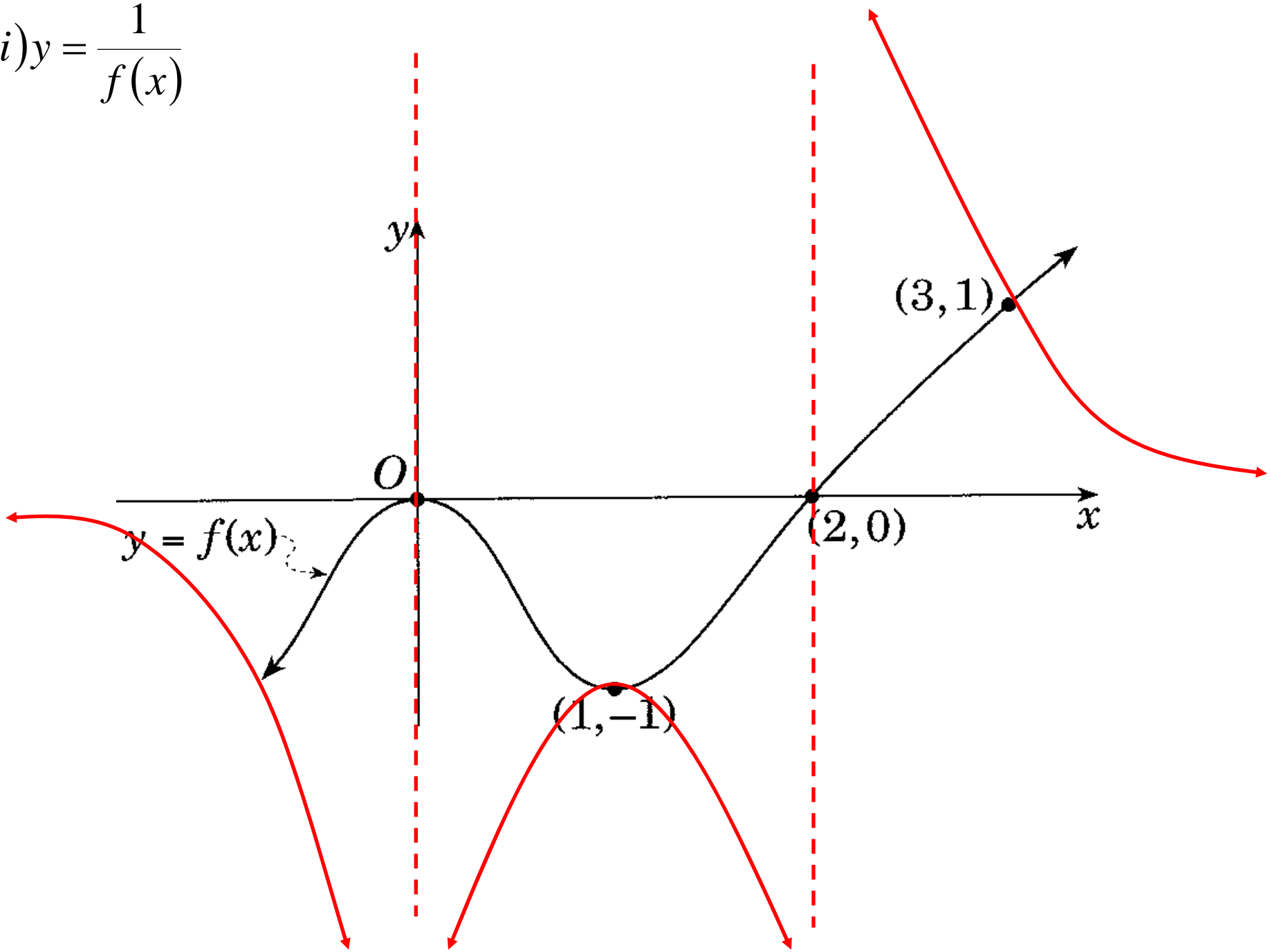
e.g. (ii) (2002)

The diagram shows the graph of $y = f(x)$

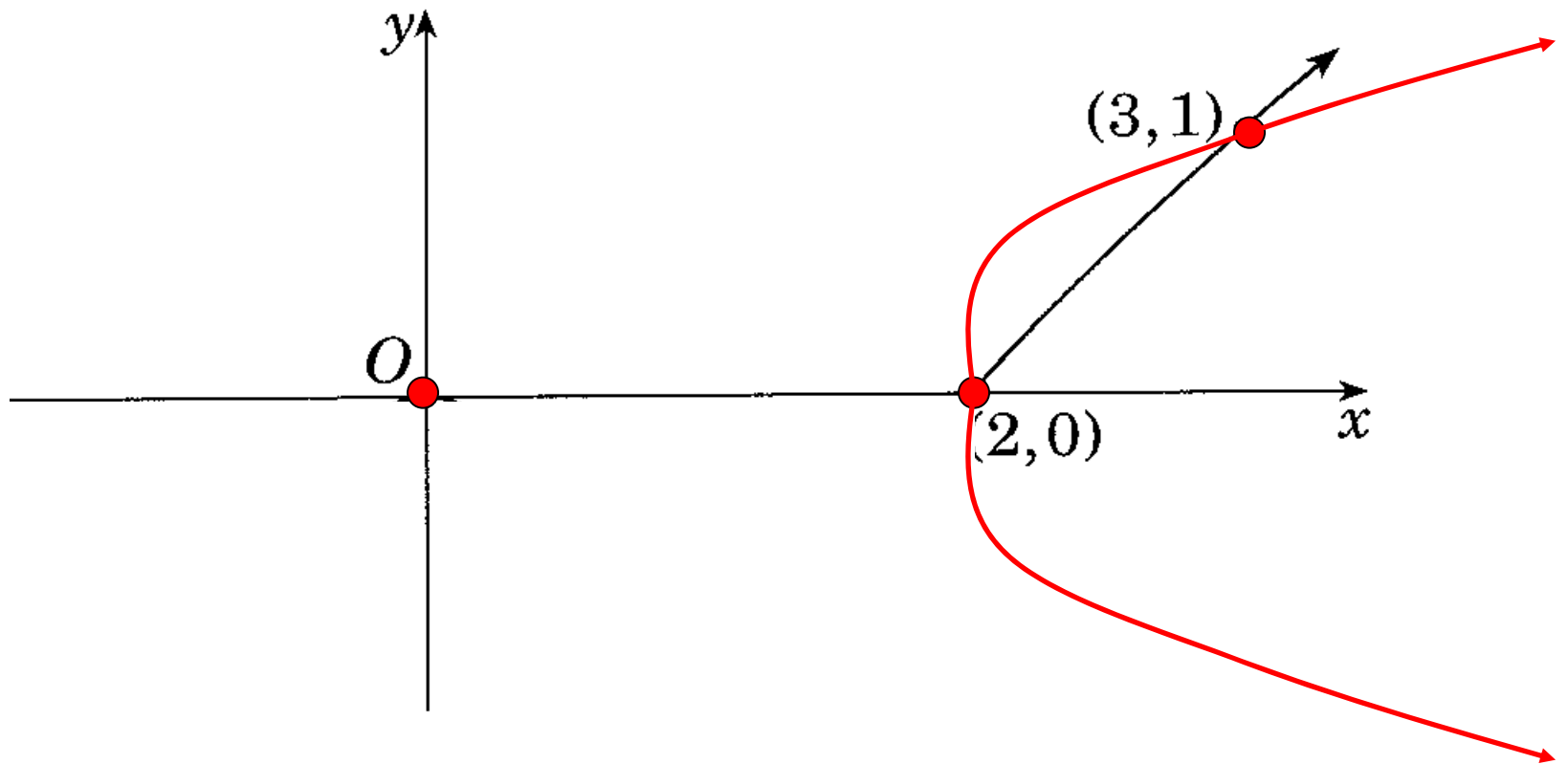


Draw separate sketches of the graphs of the following;

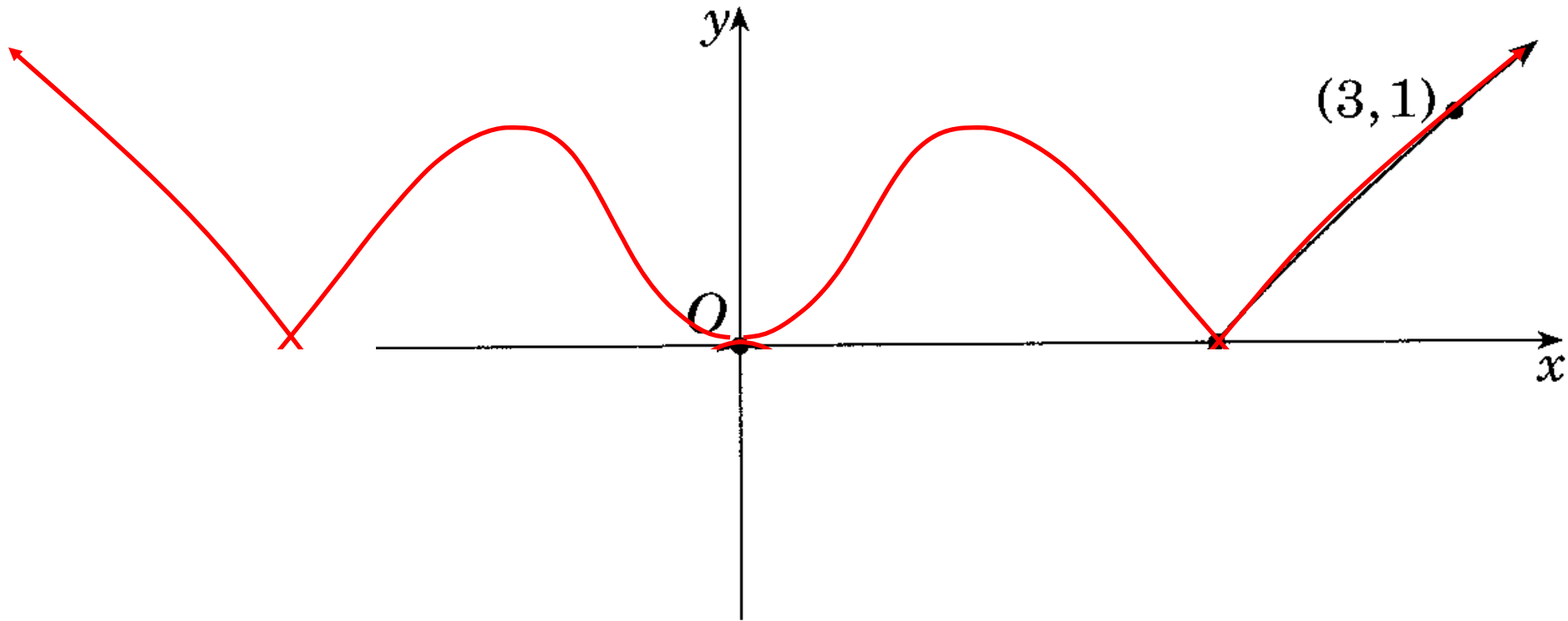
$$(i) y = \frac{1}{f(x)}$$



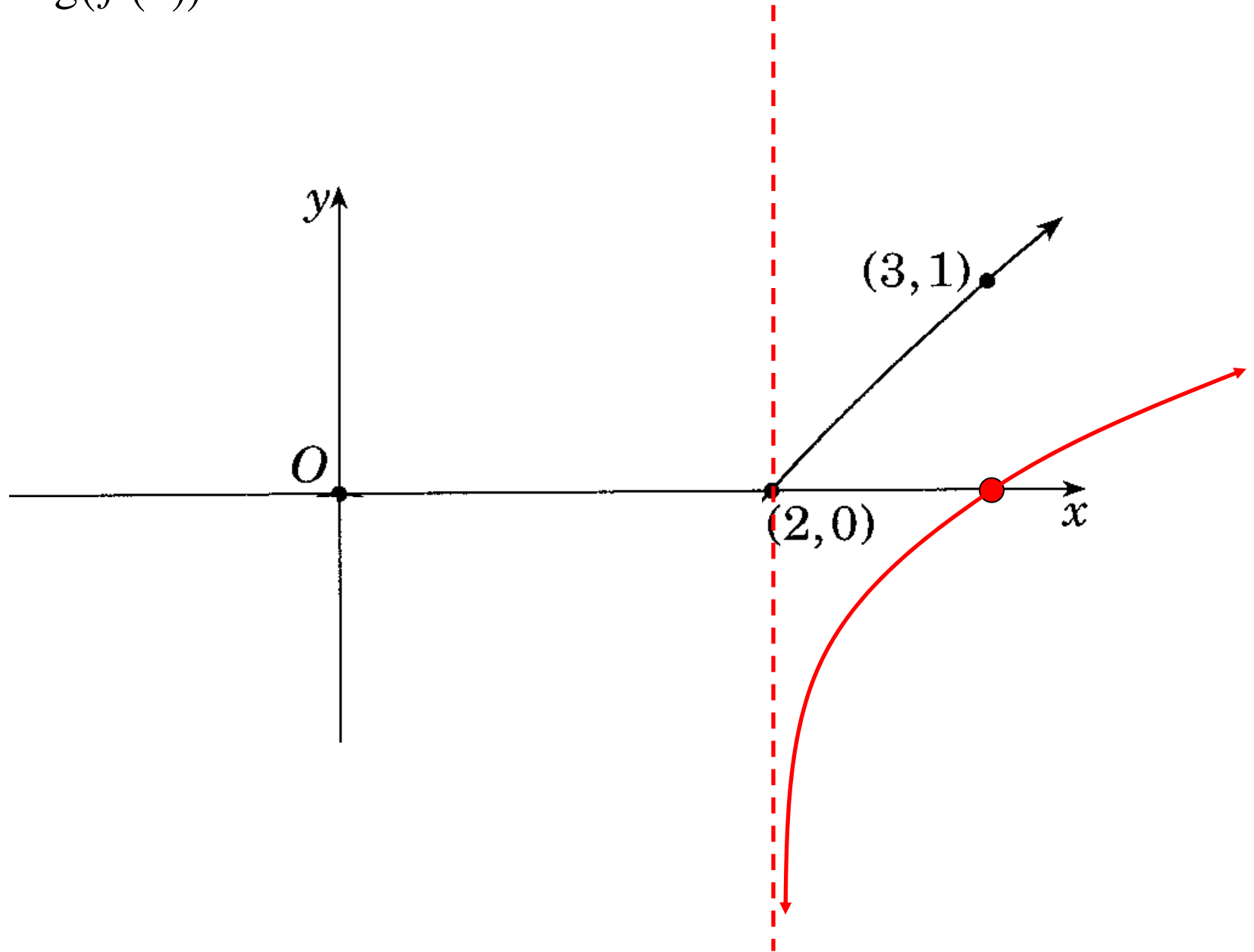
$$(ii) y^2 = f(x)$$



(iii) $y = |f(x)|$



$$(iv) y = \log(f(x))$$



“Cambridge” Exercise 8H; 1 bd, 2, 3 bc, 4 bc, 9