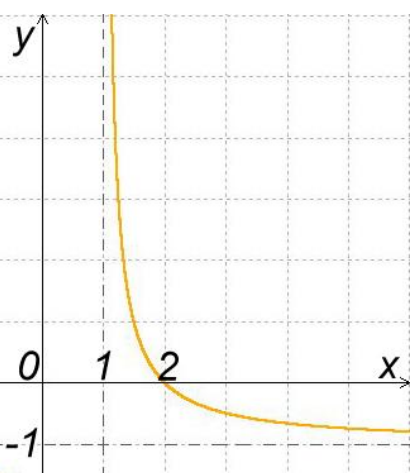
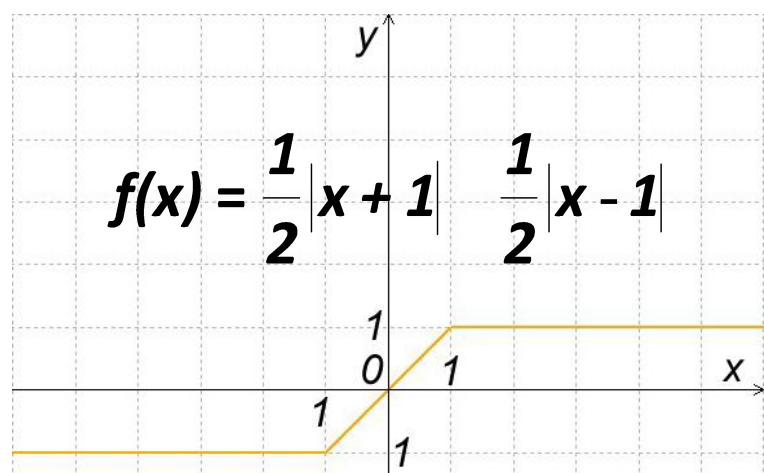


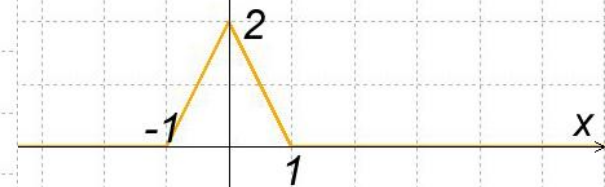
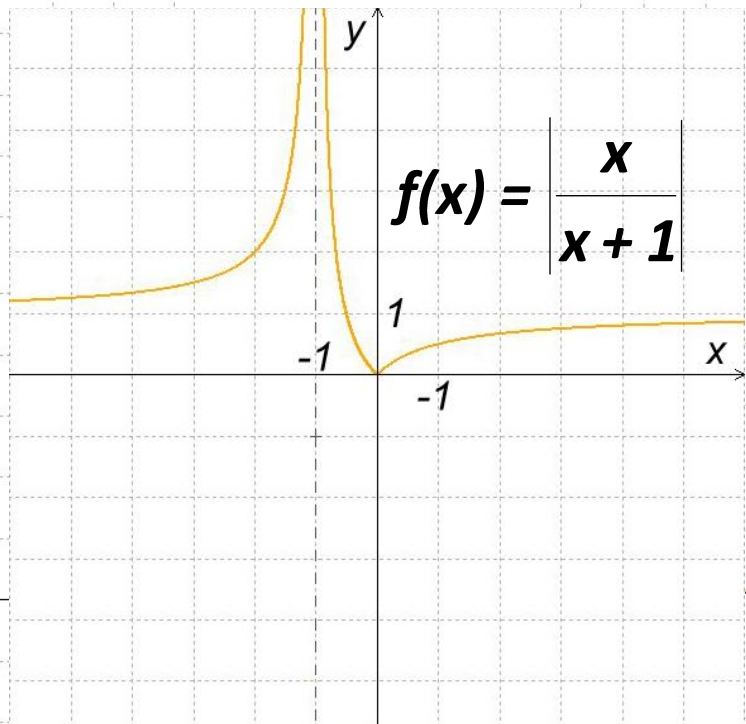
$$f(x) = \frac{2-x}{x-1}$$



$$f(x) = \frac{1}{2}|x+1| - \frac{1}{2}|x-1|$$

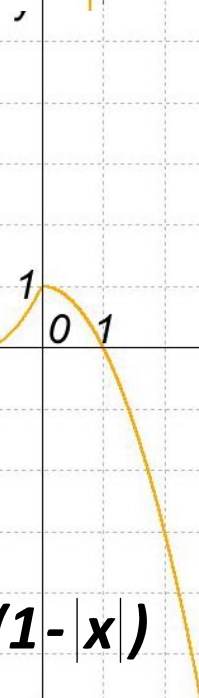


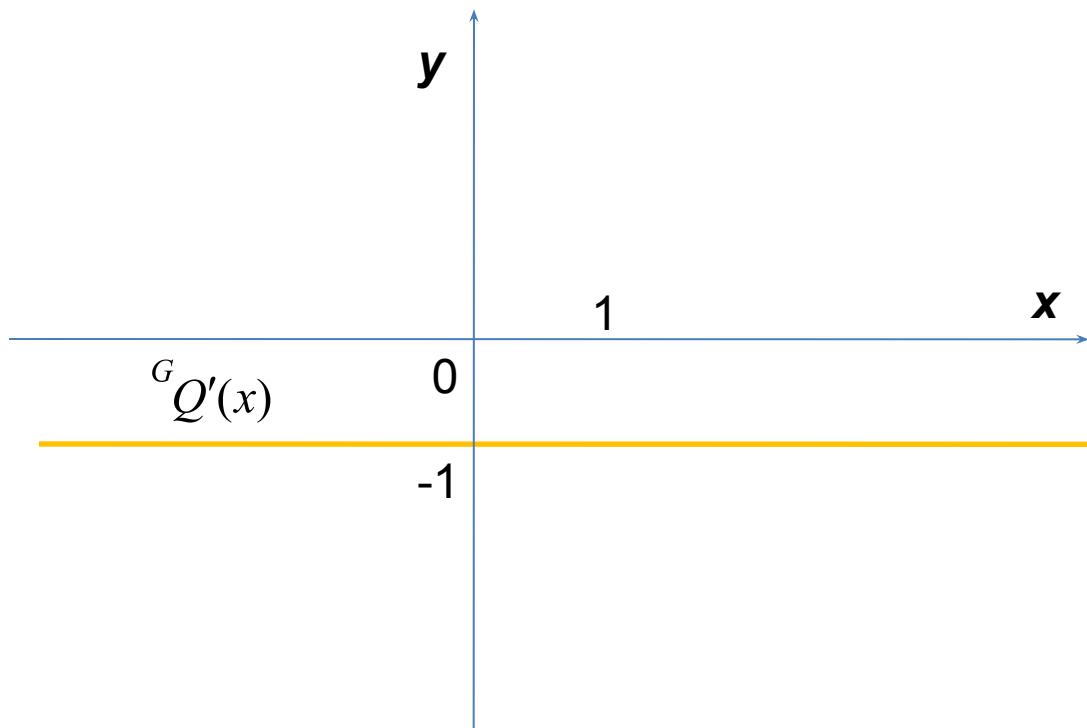
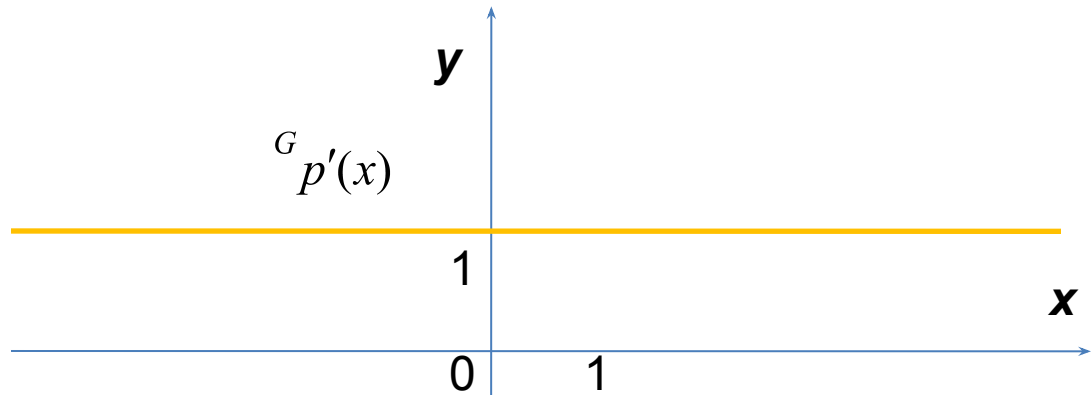
$$f(x) = \left| \frac{x}{x+1} \right|$$

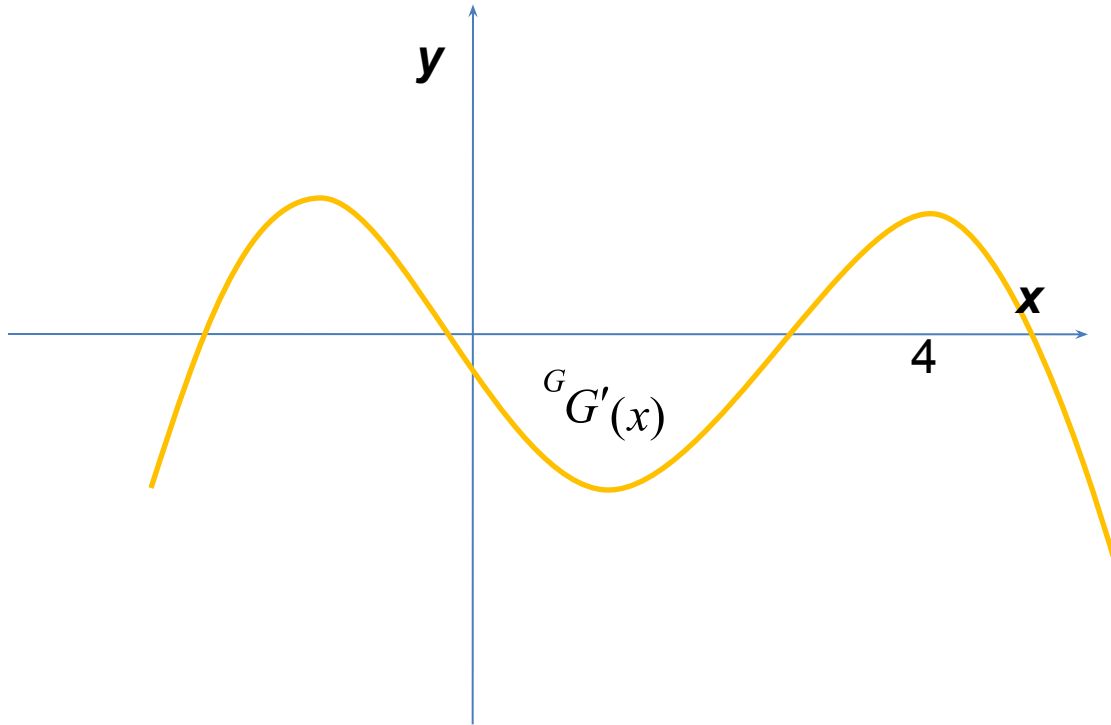
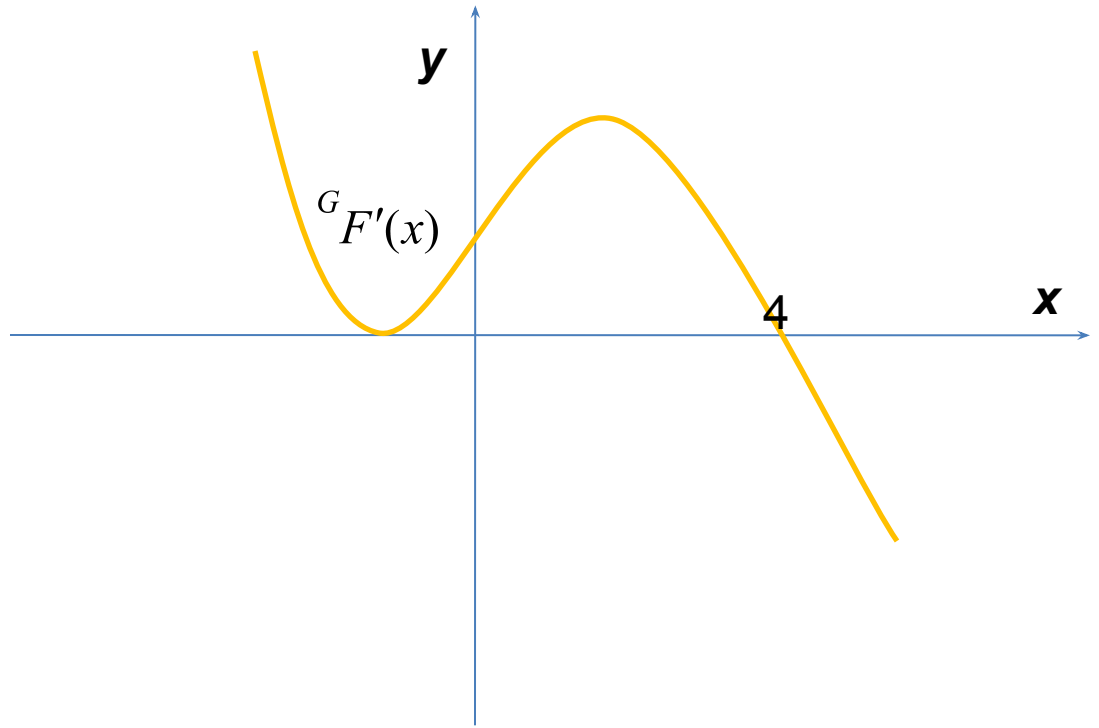


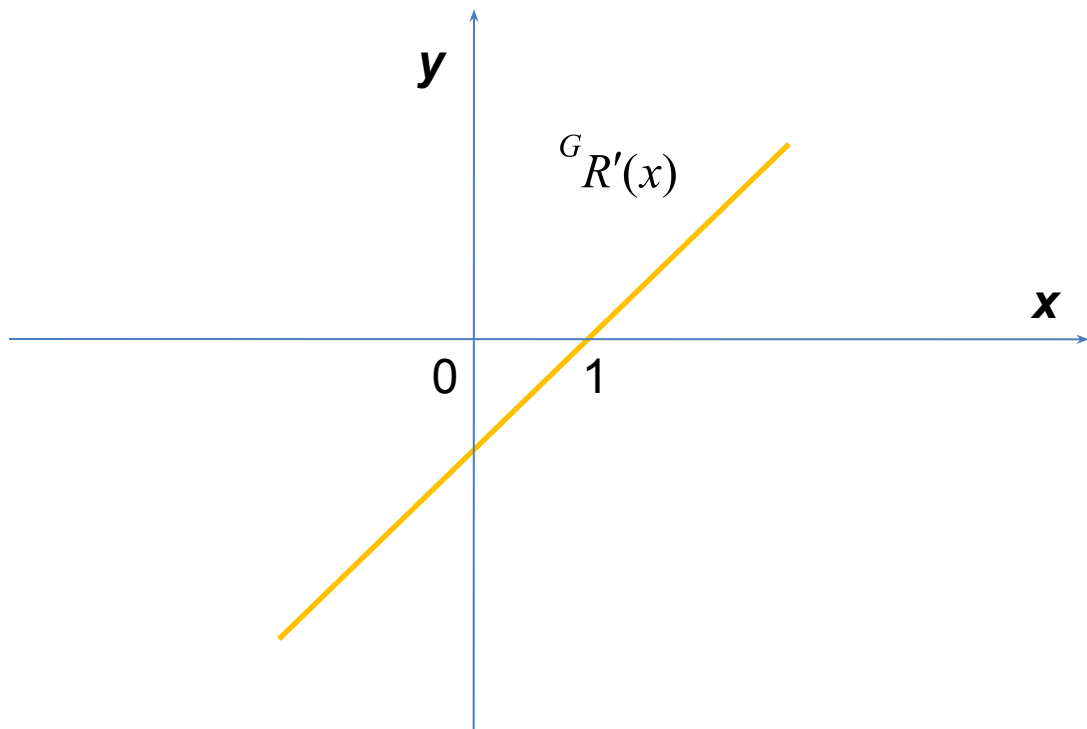
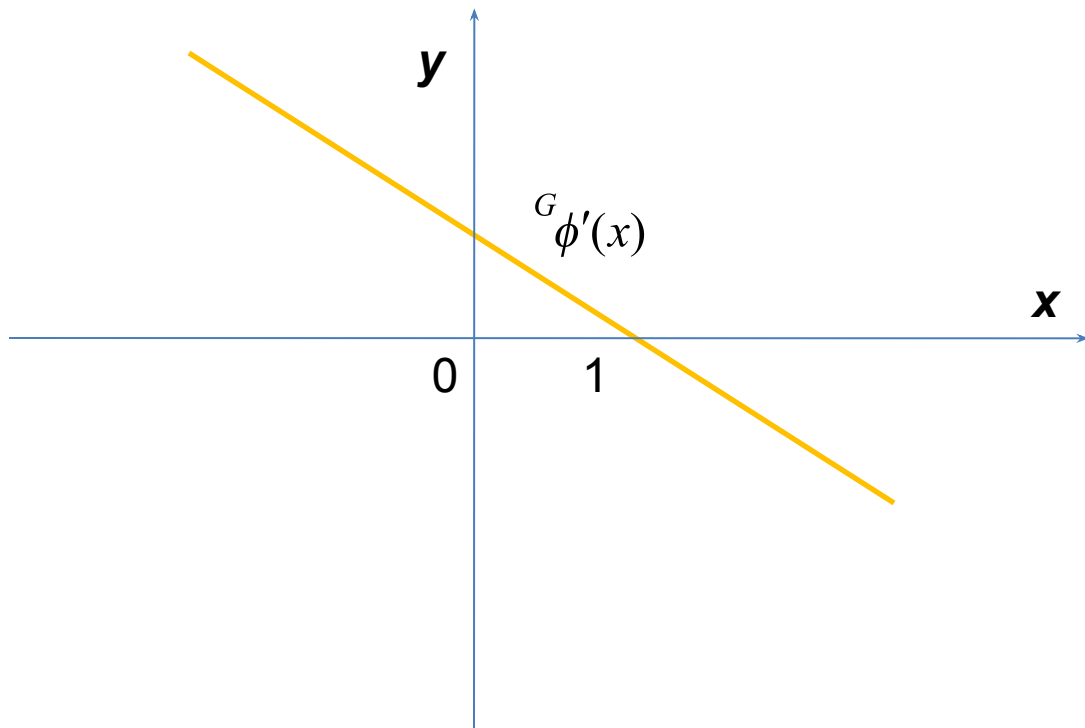
$$f(x) = 1 - |x| - |x+1|$$

$$f(x) = (1+x)(1-|x|)$$









1)

$$n(x) = \frac{x^2 + 1}{1 - x^2}$$

2)

$$f(x) = -x^5 + 2x^3 - x$$

3)

$$g(x) = -x^4 + 2x^2 + 8$$

4)

$$m(x) = x + \frac{1}{x}$$

*Чётные  
функции*

*Нечётные  
функции*

*Вертикальные  
асимптоты*

*Наклонные  
асимптоты*

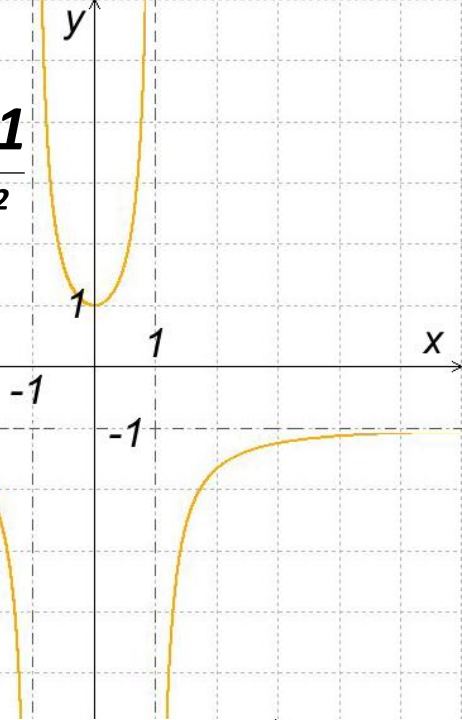
*Горизонтальные  
асимптоты*

*Точки  
перегиба*

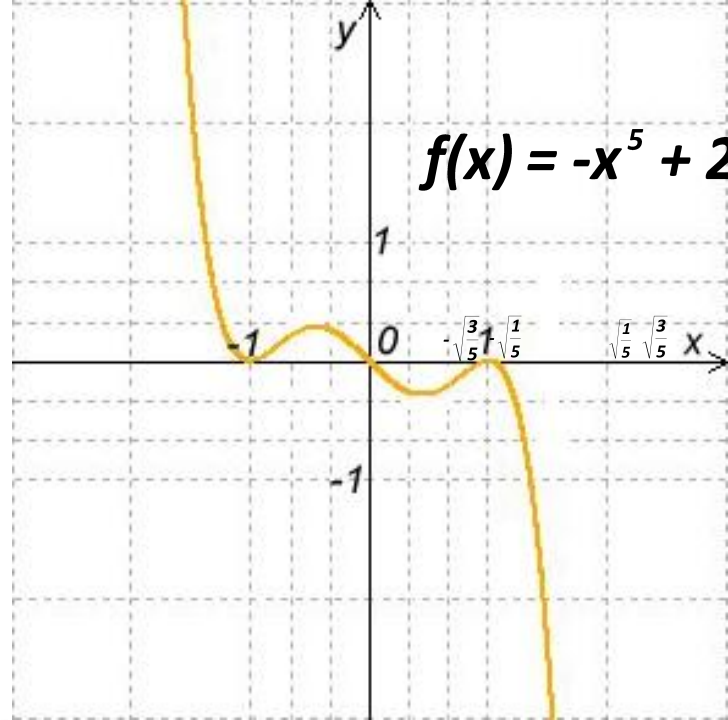
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<i>Чётные функции</i>	<i>Нечётные функции</i>	<i>Вертикальные асимптоты</i>	<i>Наклонные асимптоты</i>	<i>Горизонтальные асимптоты</i>	<i>Точки перегиба</i>
<i><b>g,n</b></i>	<i><b>m,f</b></i>	<i><b>n</b></i>	<i><b>m</b></i>	<i><b>n</b></i>	<i><b>g,f</b></i>

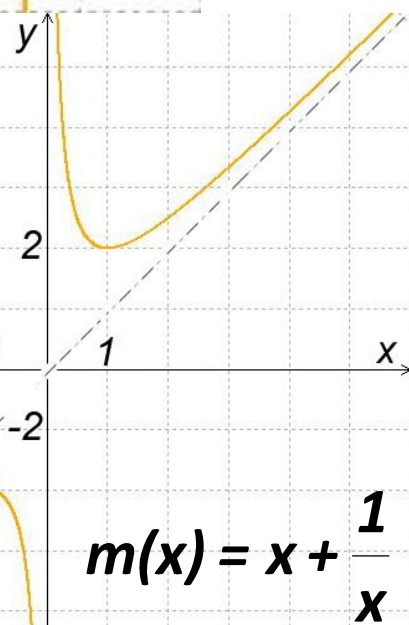
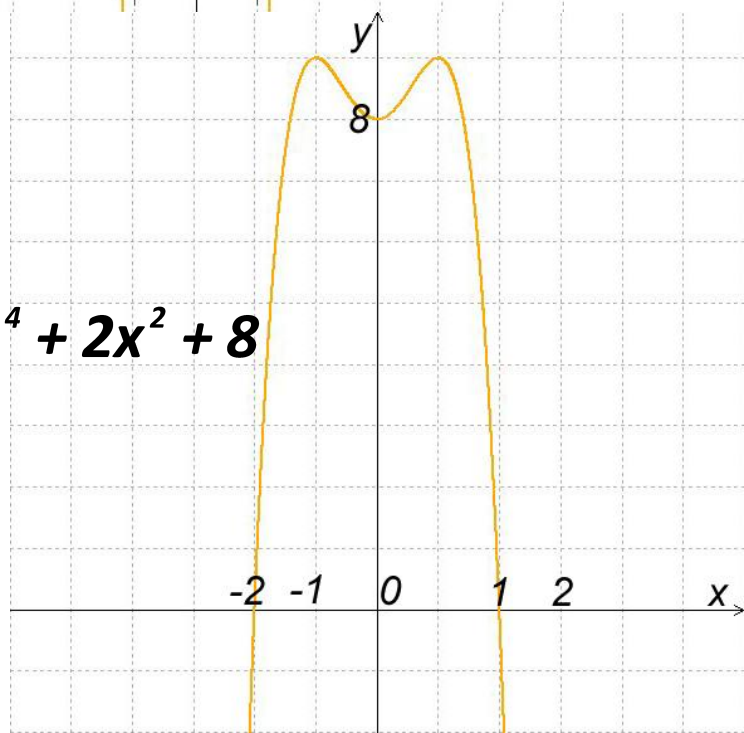
$$n(x) = \frac{x^2 + 1}{1 - x^2}$$



$$f(x) = -x^5 + 2x^3 - x$$



$$g(x) = -x^4 + 2x^2 + 8$$





1)

$$f(x) = \frac{x^2 - 2x + 4}{x^2 + x - 2}$$

2)

$$f(x) = \frac{3 - 4x}{x^2 + 1}$$

3)

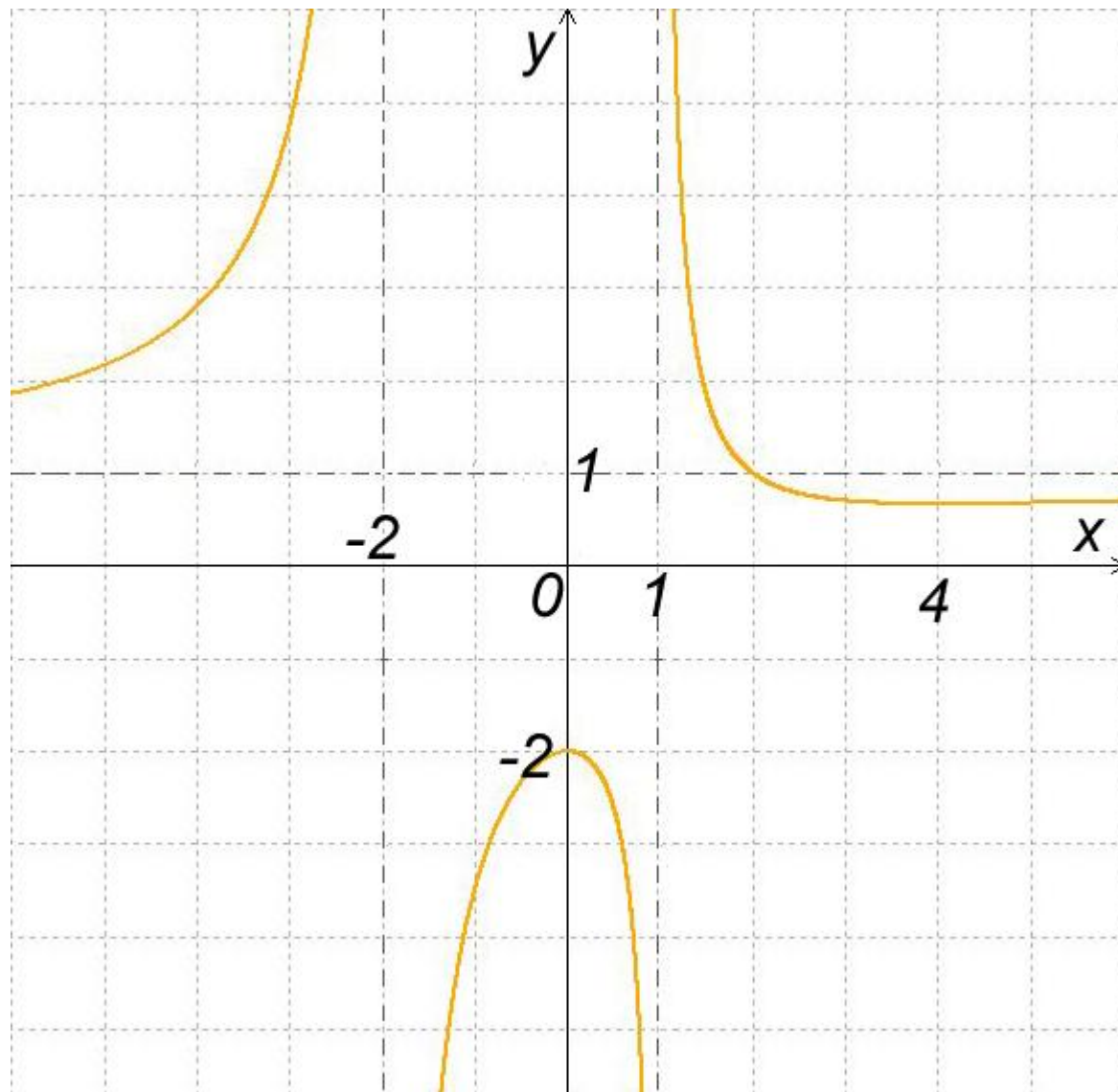
$$f(x) = \frac{x^2 - 4x + 3}{x^2 - 2x}$$

4)

$$f(x) = -\frac{1 - x^2}{1 + x^4}$$

5)

$$f(x) = \frac{x + 1}{x^3}$$



[1]

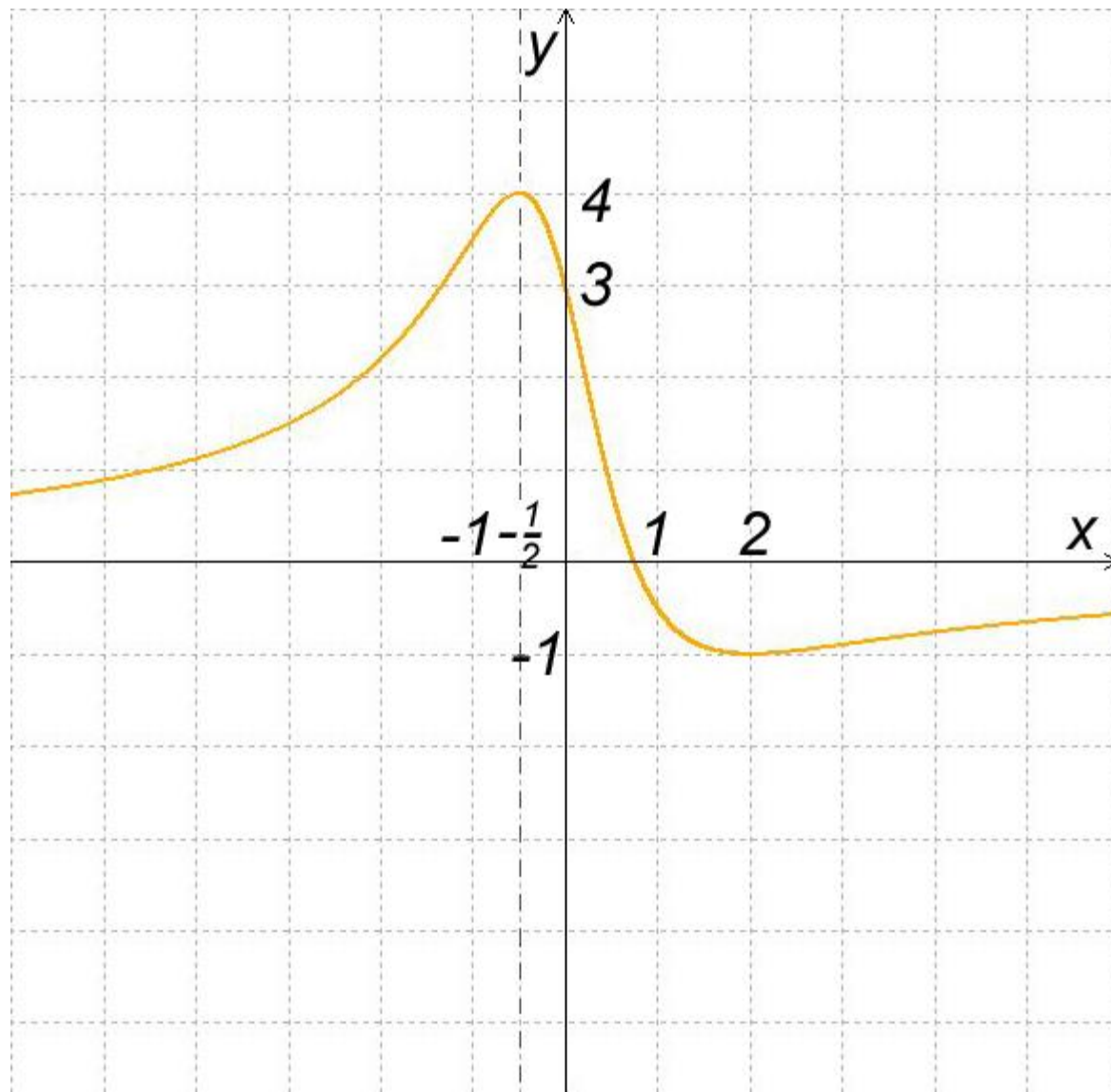
[2]

[3]

[4]

[5]





[1]

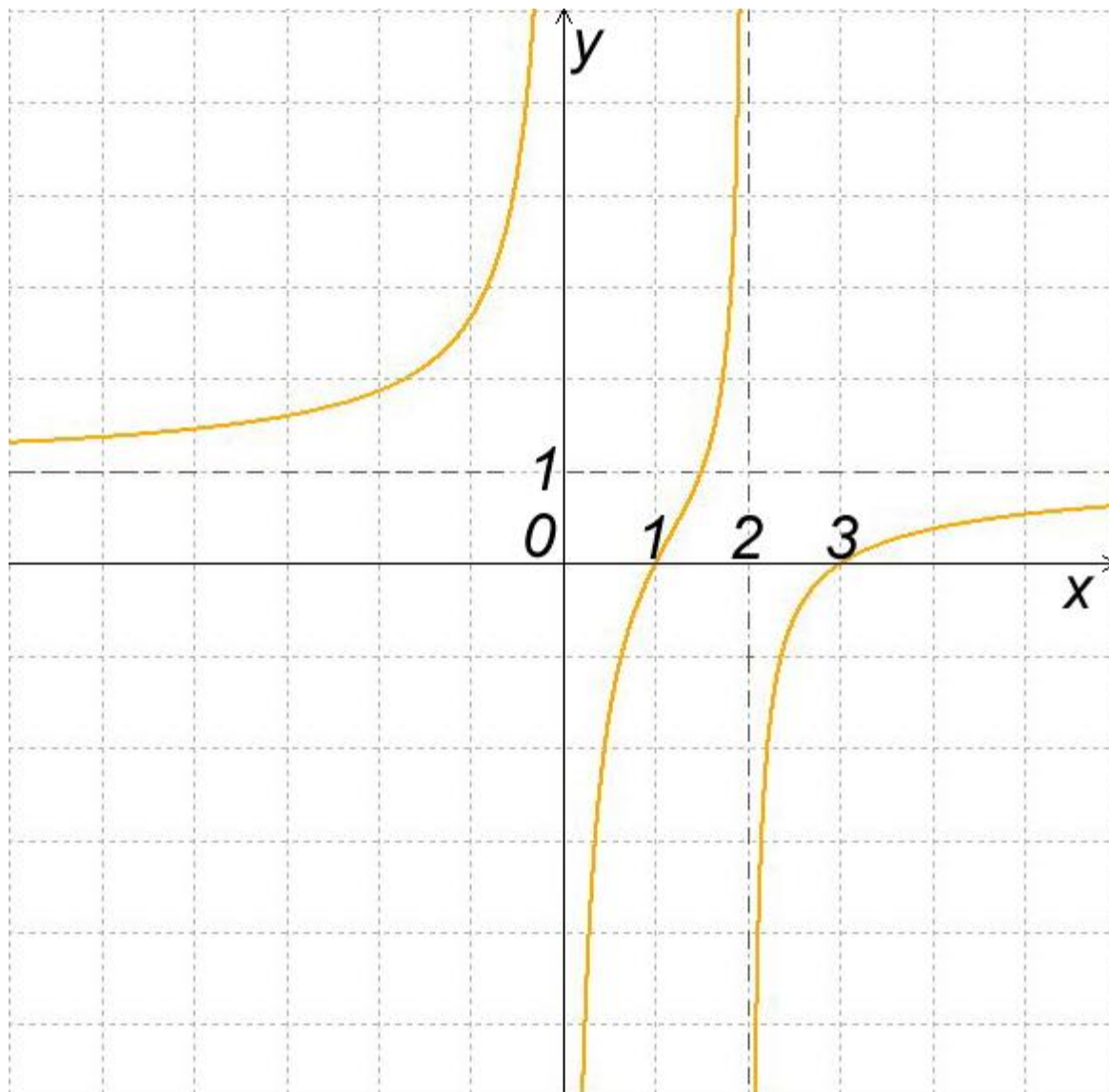
[2]

[3]

[4]

[5]





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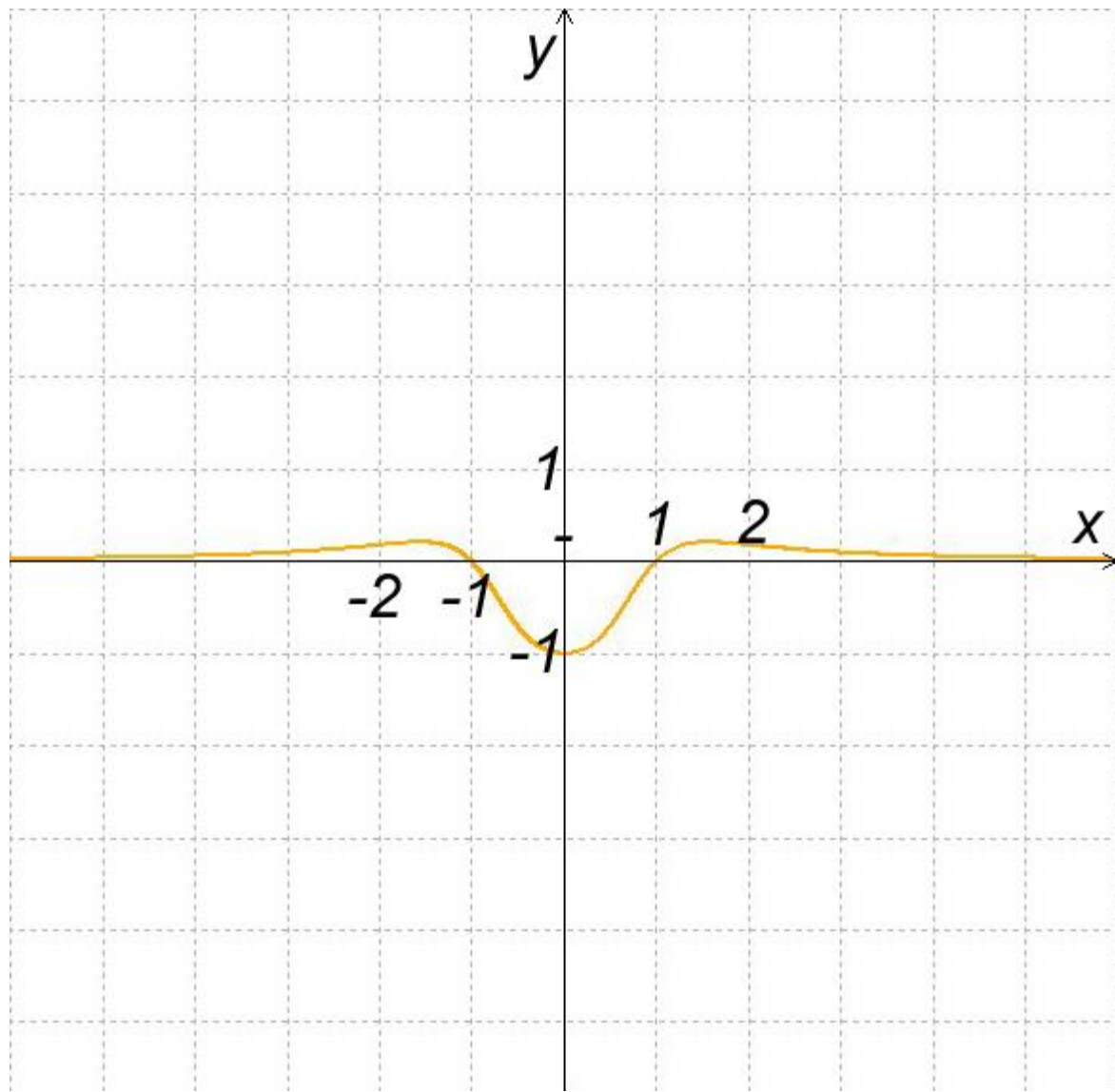
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[3]

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[5]





[1]

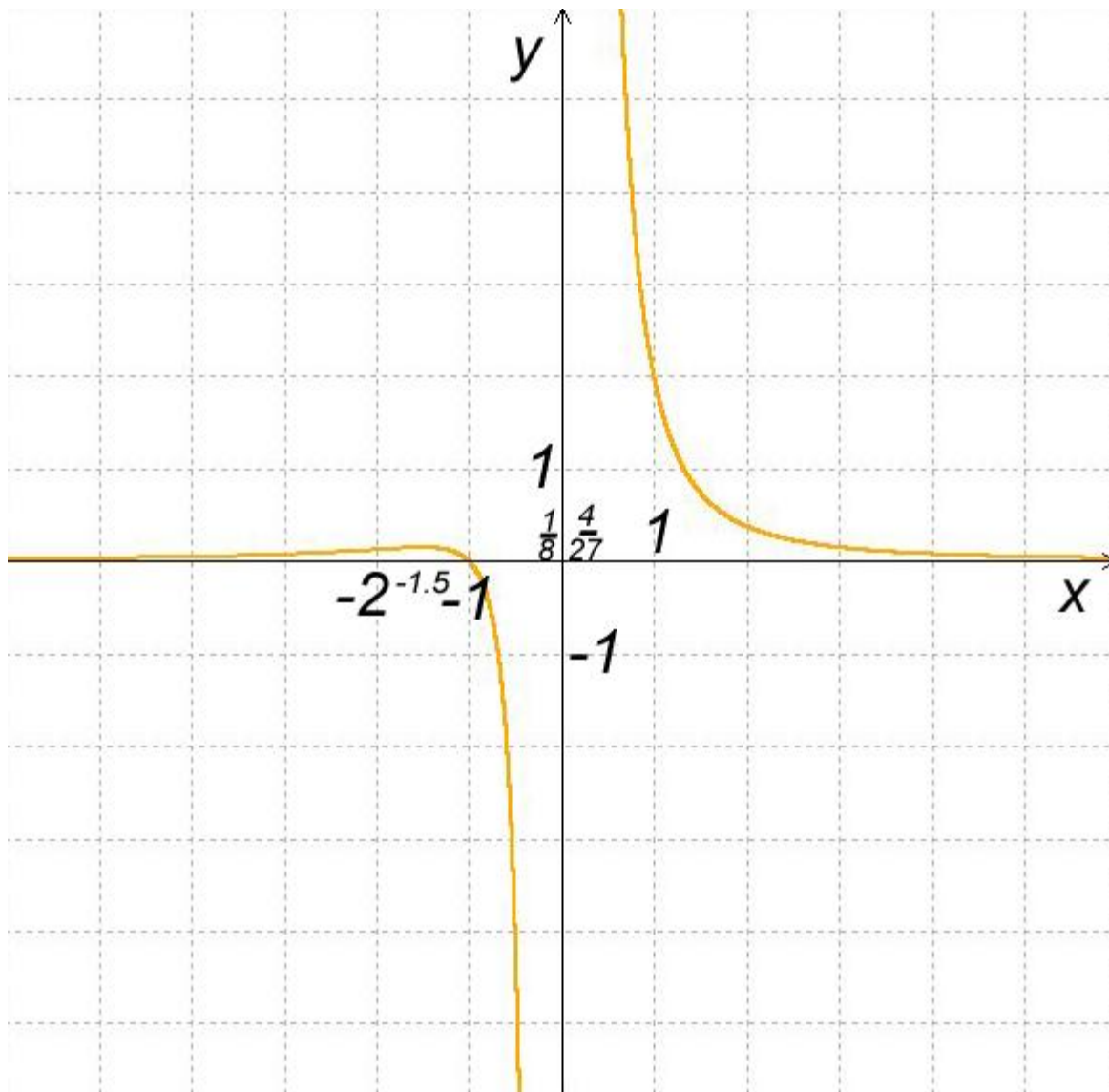
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[1]

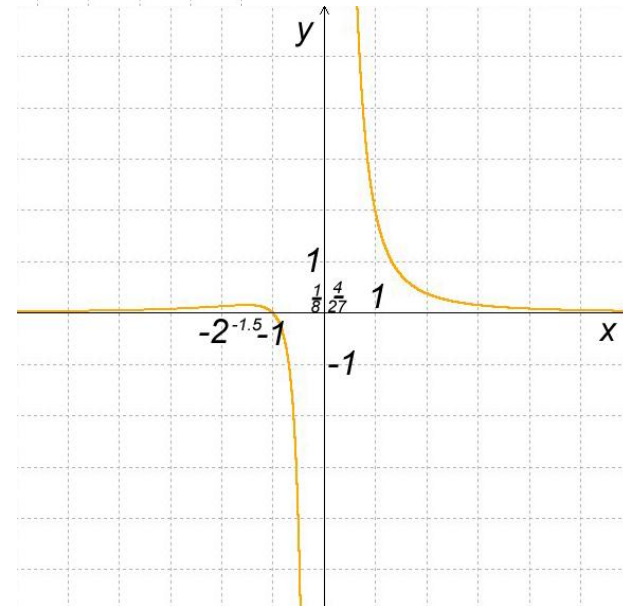
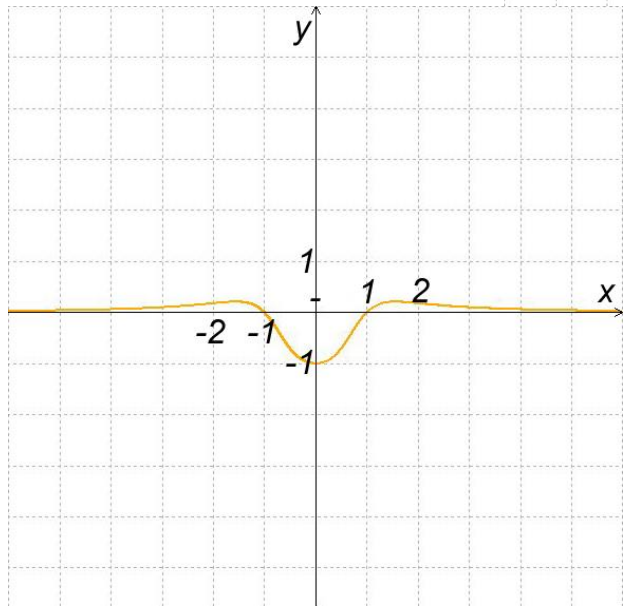
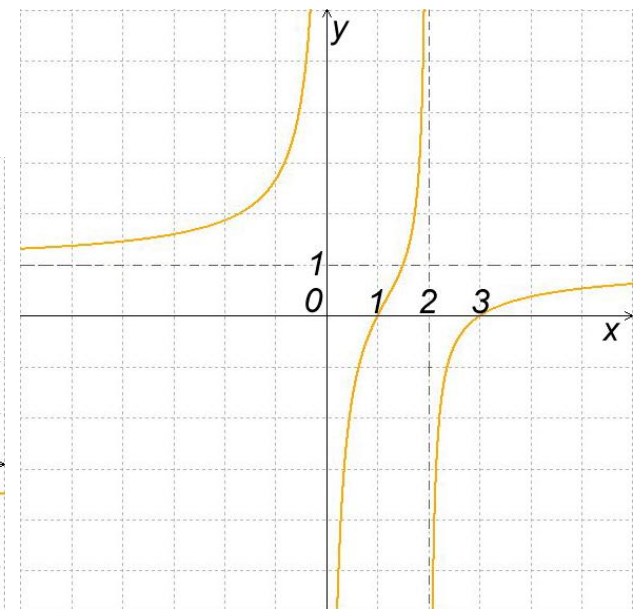
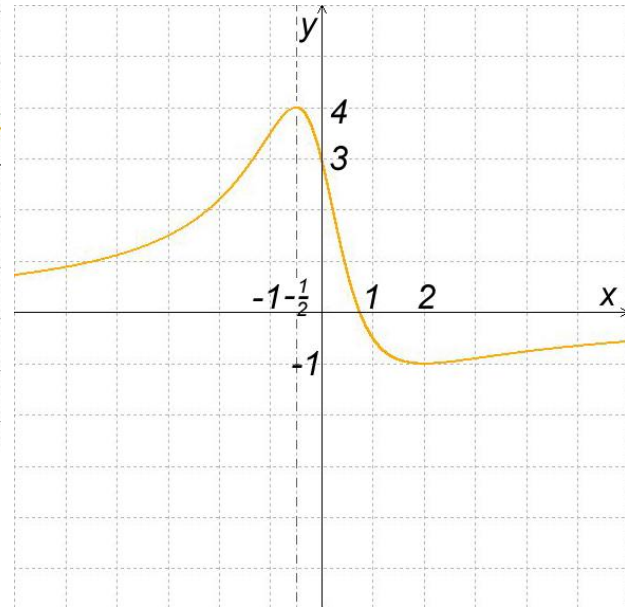
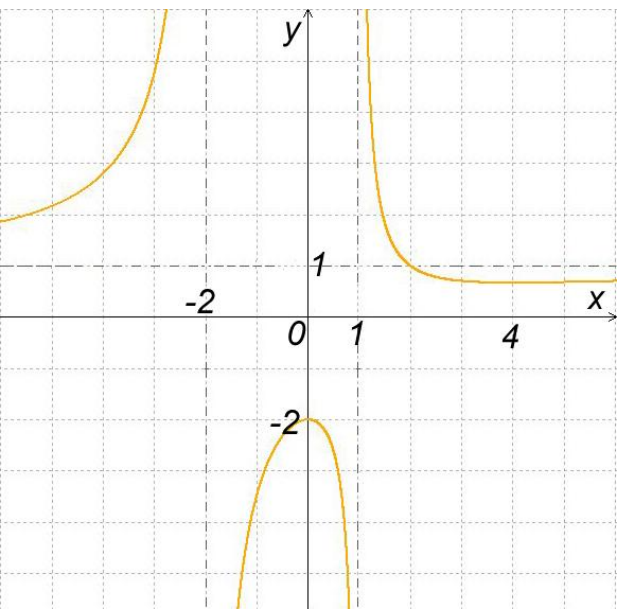
[2]

[3]

[4]

[5]





Д/З

:

“3”:

1)

$$f(x) = x^3 - 3x^2 + 4$$

“4”:

2)

$$f(x) = (1 - x)^3 (x + 1)^2$$

“5”:

3)

$$f(x) = \frac{x^3}{3 - x^2}$$



Все графики\* были построены при помощи FUNCVIEWER,  
и доработаны в PHOTOSHOP.

Презентация собрана в Microsoft Power Point.

\*Некоторые графики были построены в Microsoft Power Point

C/P:

<b>B -I</b>	<b>B-II</b>
<b>“7”:</b>	
$f(x) = \frac{1}{5}x^2 - \frac{1}{2}x^3$	$f(x) = x^4 - 3x^2 + 7$
<b>“8”:</b>	
$f(x) = \frac{x^4}{4} + \frac{x^3}{3} - x^2$	$f(x) = \frac{x^3}{3} + x^2 - 3x + 1$
<b>“9”:</b>	
$f(x) = \frac{x^2 + 2}{x + 1}$	$f(x) = \frac{x}{x^2 - 1}$