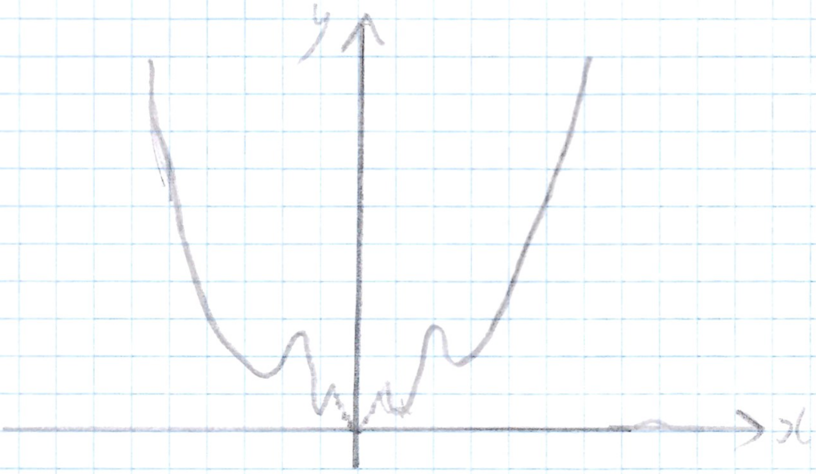
Эскиз графика:




1373.

(пусть $y = x-h$).

$$\lim_{h\to 0}\frac{f(x+h)+f(x-h)-2f(x)}{h^2}=\lim_{h\to 0}\frac{f(y+2h)-2f(y+h)+f(y)}{h^2}=$$

$$=\lim_{h\to 0}\frac{1}{h}\left(\frac{f(y+2h)-f(y+h)}{h}-\frac{f(y+h)-f(y)}{h}\right)=$$

$$=\lim_{h\to 0}\frac{1}{h}\cdot\left(\lim_{h\to 0}\frac{f(t+h)-f(t)}{h}-\lim_{h\to 0}\frac{f(y+h)-f(y)}{h}\right)=$$

$t = y+h$

$$=\lim_{h\to 0}\frac{f'(t)-f'(y)}{h}=\lim_{h\to 0}\frac{f'(y+h)-f'(y)}{h}=f''(y)=f''(x-h)=f''(x)$$

ч.т.д.