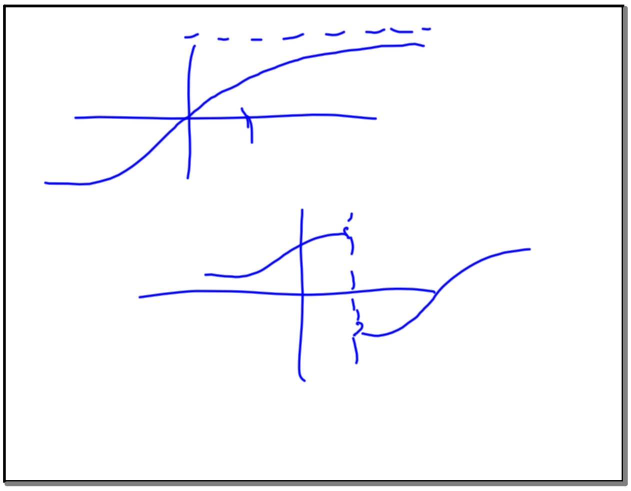

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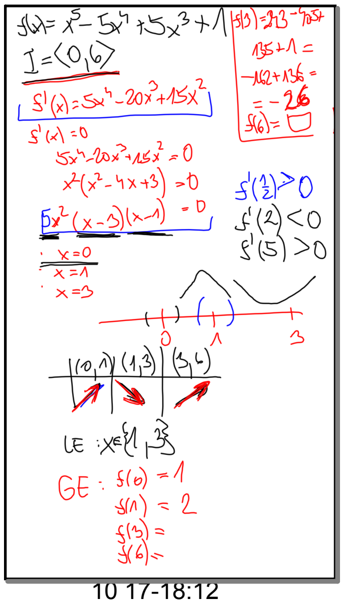

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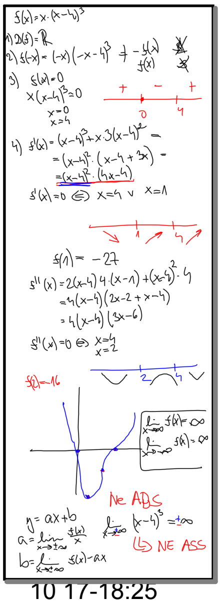

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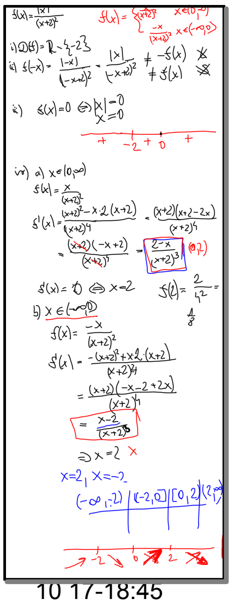

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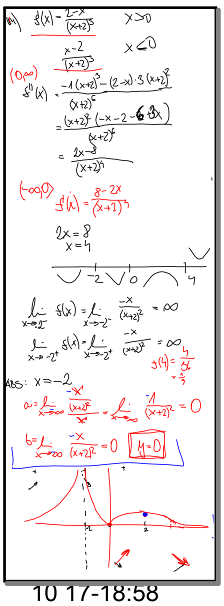

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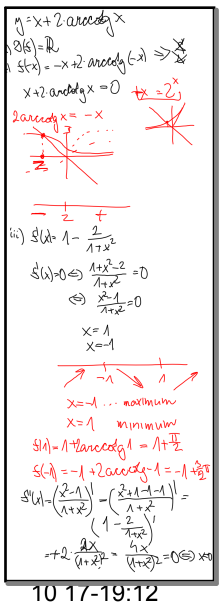

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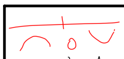


$a = \lim_{x \to \infty} \frac{x + 2\,\mathrm{arccotg}\,x}{x} = \lim_{x \to \infty} 1 + \lim_{x \to \infty} \frac{2\,\mathrm{arccotg}\,x}{x}$

$= 1$

$b = \lim_{x \to \infty} (x + 2\,\mathrm{arccotg}\,x - x) = 0$

$y = x$

$a = \lim_{x \to -\infty} \frac{x + 2\,\mathrm{arccotg}\,x}{x} = \lim_{x \to -\infty} 1 + \lim_{x \to -\infty} \frac{2\,\mathrm{arccot}}{x}$

$= 1$

$b = \lim_{x \to -\infty} (x + 2\,\mathrm{arcot}\,x - x) =$

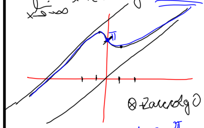
$= \lim_{x \to -\infty} (2\,\mathrm{arcotg}\,x) = 2\pi$

$y = x$

$y = x + 2\pi$

$\lim_{x \to \infty} x + 2\,\mathrm{arccotg}\,x = \infty$

$\lim_{x \to -\infty} x + 2\,\mathrm{arccotg}\,x = -\infty$



$\otimes\ 2\,\mathrm{arccotg}\,0$

$2\,\mathrm{arccotg}\,0 = \frac{2\pi}{2}$

10 17-19:32

10 17-19:40