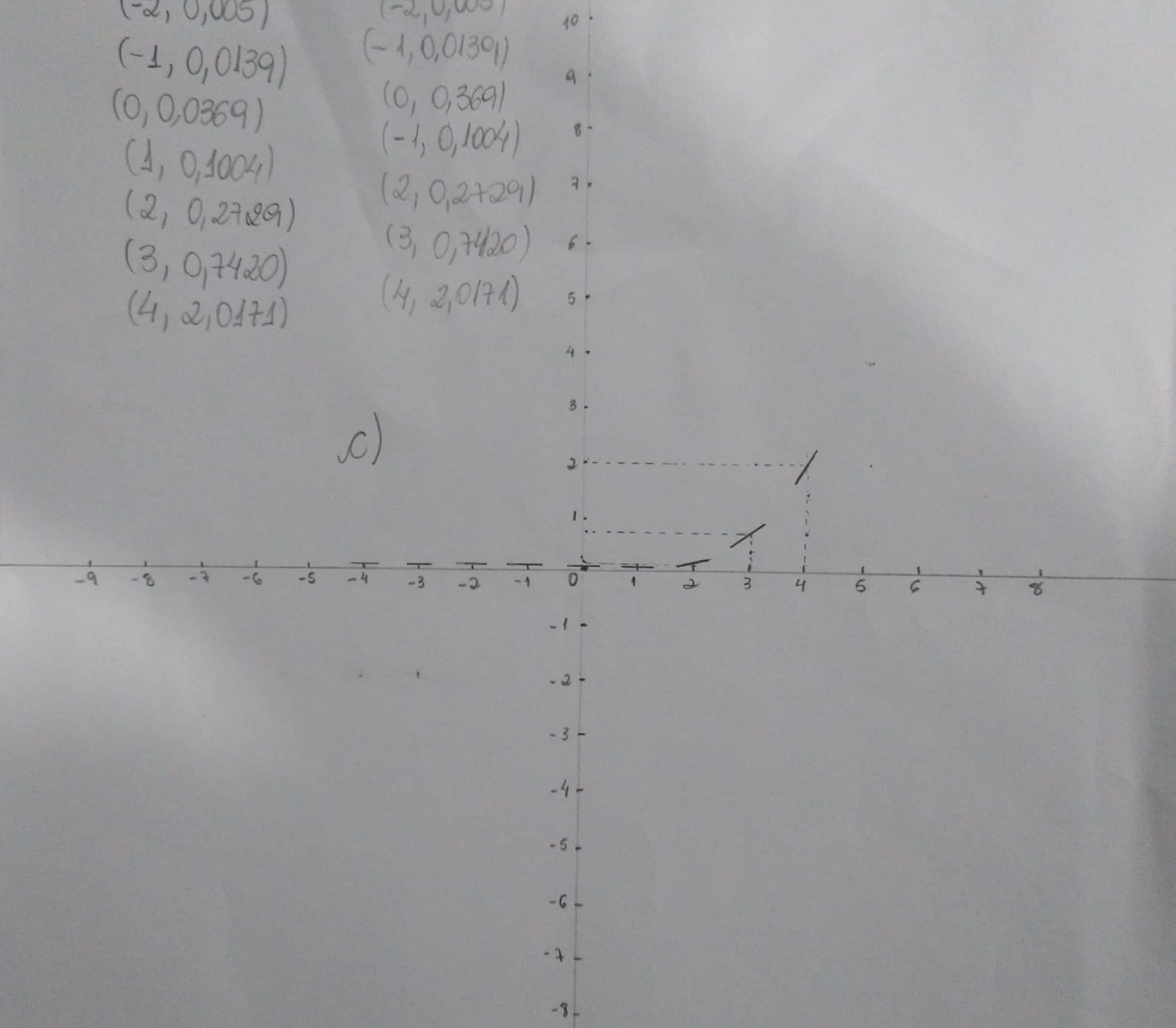
a) I) - $f(x) = \frac{e^{x+2}}{100 \cdot 2} \Rightarrow f'(x) = \frac{e^{x+2}}{200}$

b) $(-4, 0{,}0068)$ $(-4, 0{,}0068)$
$(-3, 0{,}0018)$ $(-3, 0{,}0018)$
$(-2, 0{,}005)$ $(-2, 0{,}005)$
$(-1, 0{,}0139)$ $(-1, 0{,}0139)$
$(0, 0{,}0369)$ $(0, 0{,}369)$
$(1, 0{,}1004)$ $(-1, 0{,}1004)$
$(2, 0{,}27299)$ $(2, 0{,}27299)$
$(3, 0{,}7420)$ $(3, 0{,}7420)$
$(4, 2{,}0171)$ $(4, 2{,}0171)$

c)

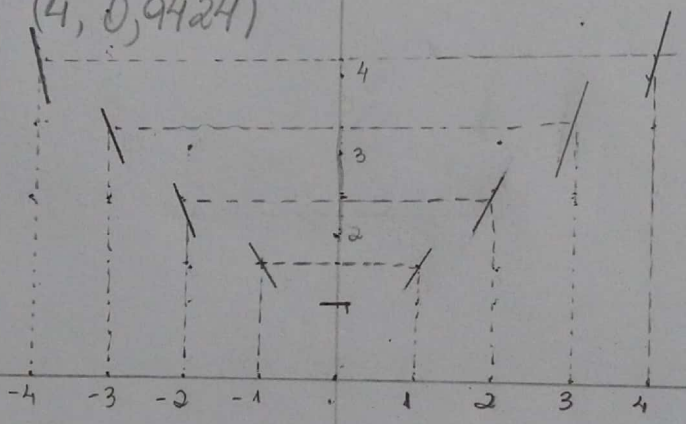


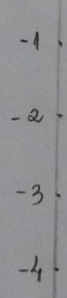
II a) $f(x) = \sqrt{x^2+2} \Rightarrow f'(x) = \frac{x}{\sqrt{x^2+2}}$

b)

(-4, 4,2426)	(-4, -0,9424)
(-3, 3,3166)	(-3, -0,9045)
(-2, 2,4494)	(-2, -0,8165)
(-1, 1,7320)	(-1, -0,5773)
(0, 1,4142)	(0, 0
(1, 1,7320)	(1, 0,5774)
(2, 2,4494)	(2, 0,8165)
(3, 3,3166)	(3, 0,9045)
(4, 4,2426)	(4, 0,9424)

c)





a) $f(x) = \frac{x^3 + 3x^2 - 4}{10}$

$f'(x) = \frac{3x^2 + 6x}{10}$

b)

(-4, -2)	(-4, 2,4)
(-3, -0,4)	(-3, 0,9)
(-2, 0)	(-2, 0)
(-1, -0,2)	(-1, -0,3)
(0, -0,4)	(0, 0)
(1, 0	(1, 0,9)
(2, 1,6)	(2, 2,4)
(3, 5)	(3, 4,5)
(4, 10,8)	(4, 7,2)