

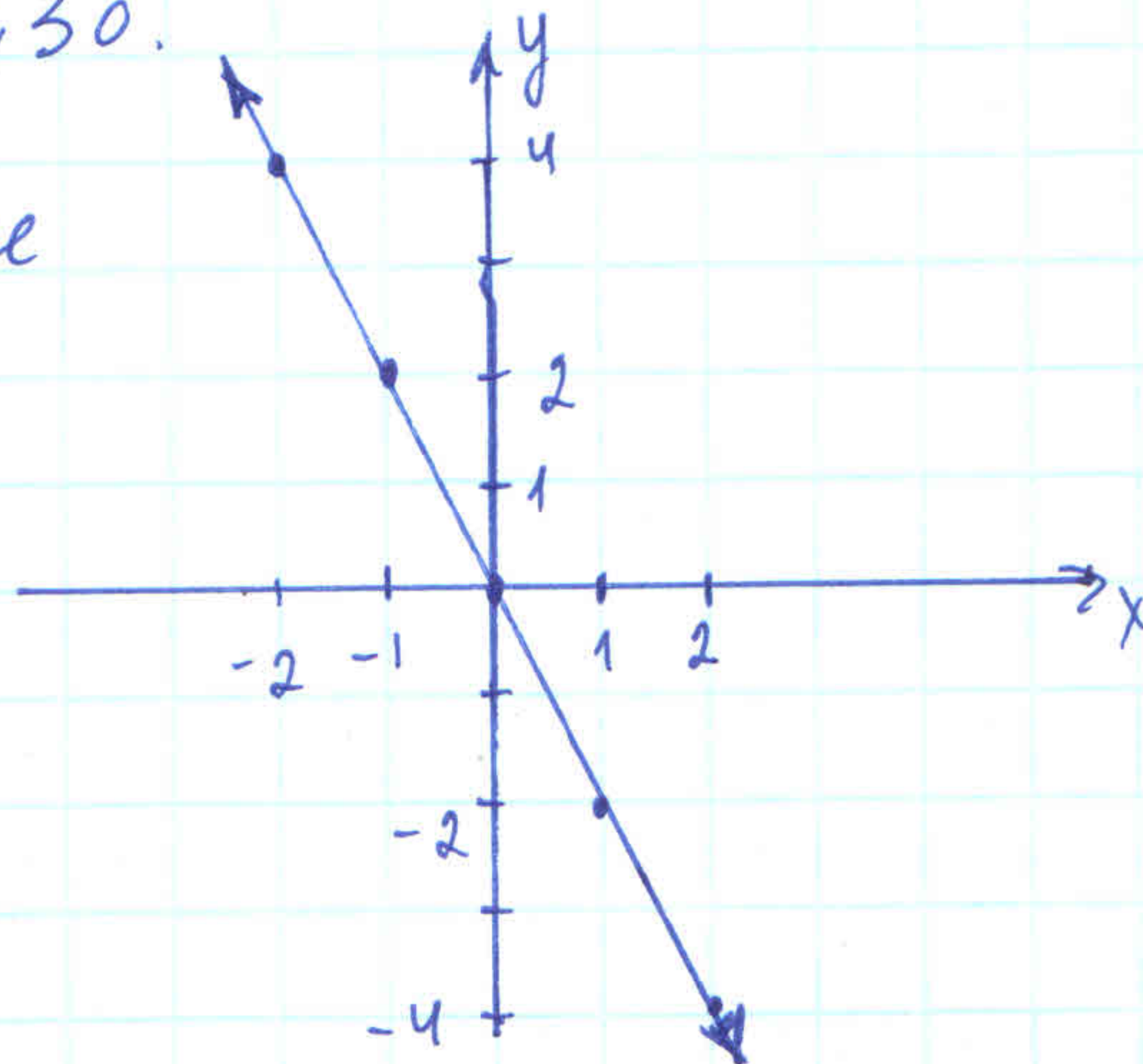
pp. 94-96 / 6, 20, 24, 30.

N6

$y = -2x$  - straight line

x	y
-2	4
-1	2
0	0
1	-2
2	-4

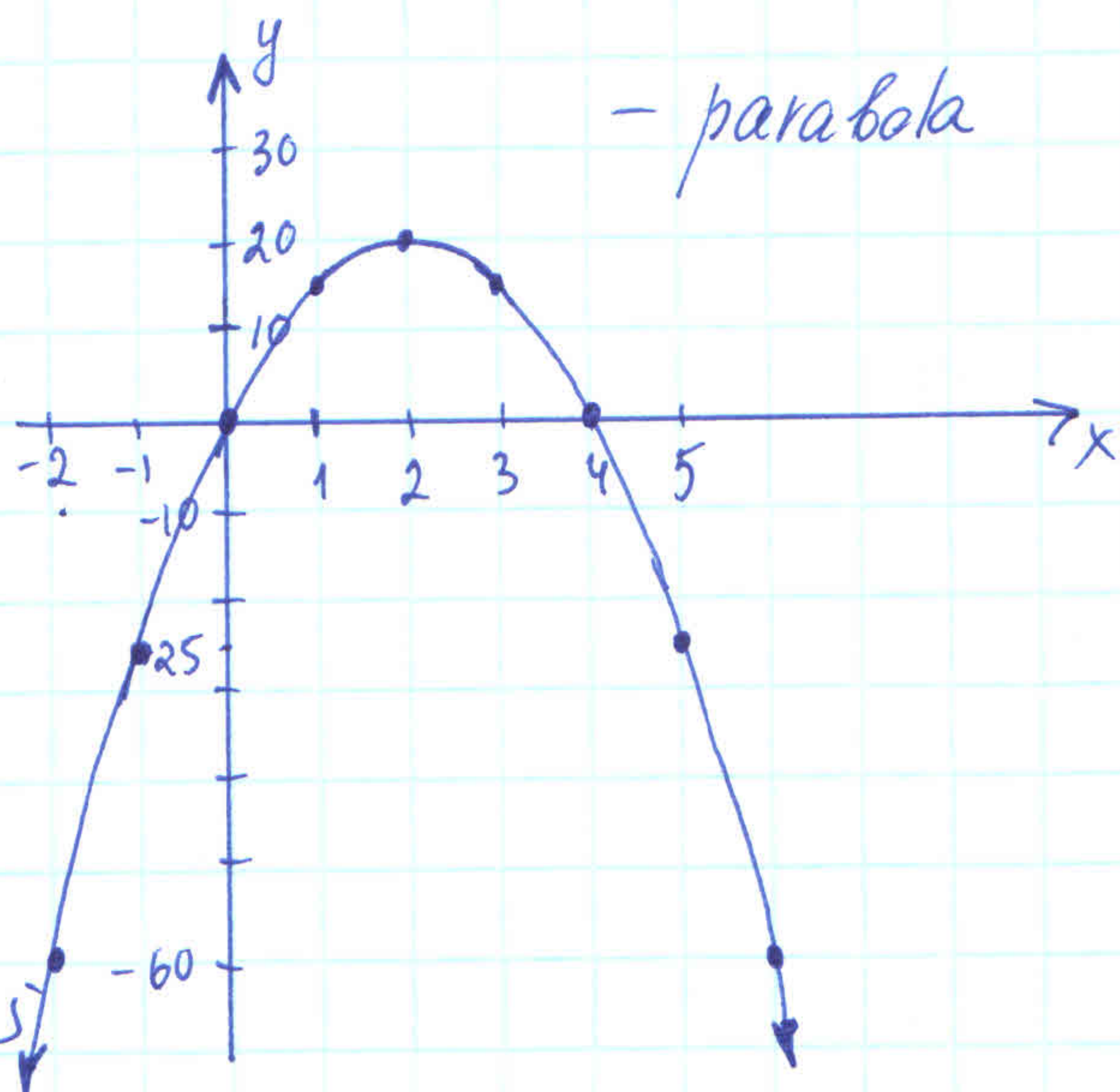
although it is enough to find two points, we found 5



N20

$h = 20t - 5t^2$

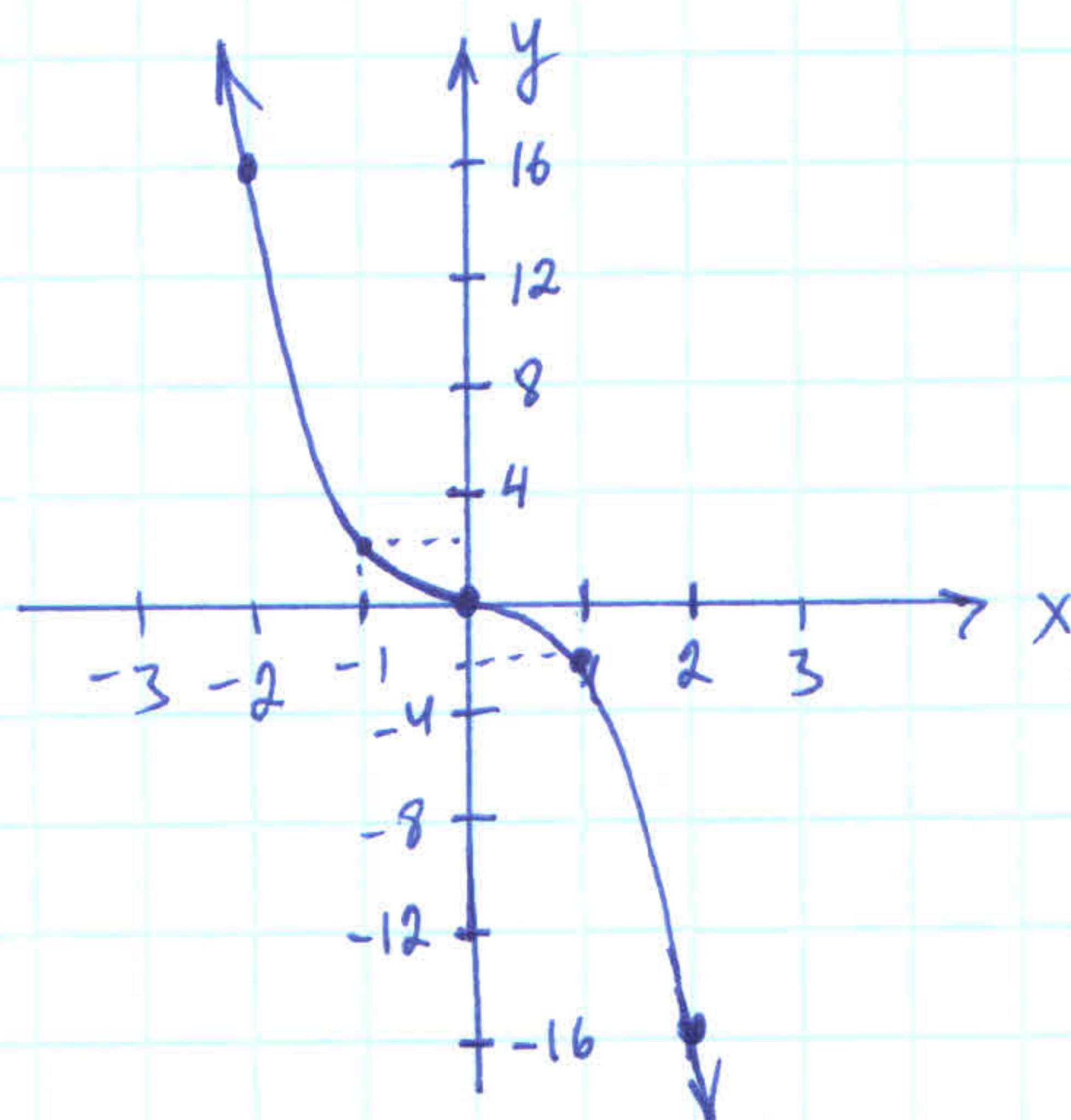
t	h
-2	$-40 - 5 \cdot 4 = -60$
-1	$-20 - 5 = -25$
0	0
1	$20 - 5 = 15$
2	$40 - 5 \cdot 4 = 20$
3	$60 - 5 \cdot 9 = 15$
4	$80 - 5 \cdot 16 = 0$
5	$100 - 5 \cdot 25 = -25$
6	-60



N24

$y = -2x^3$

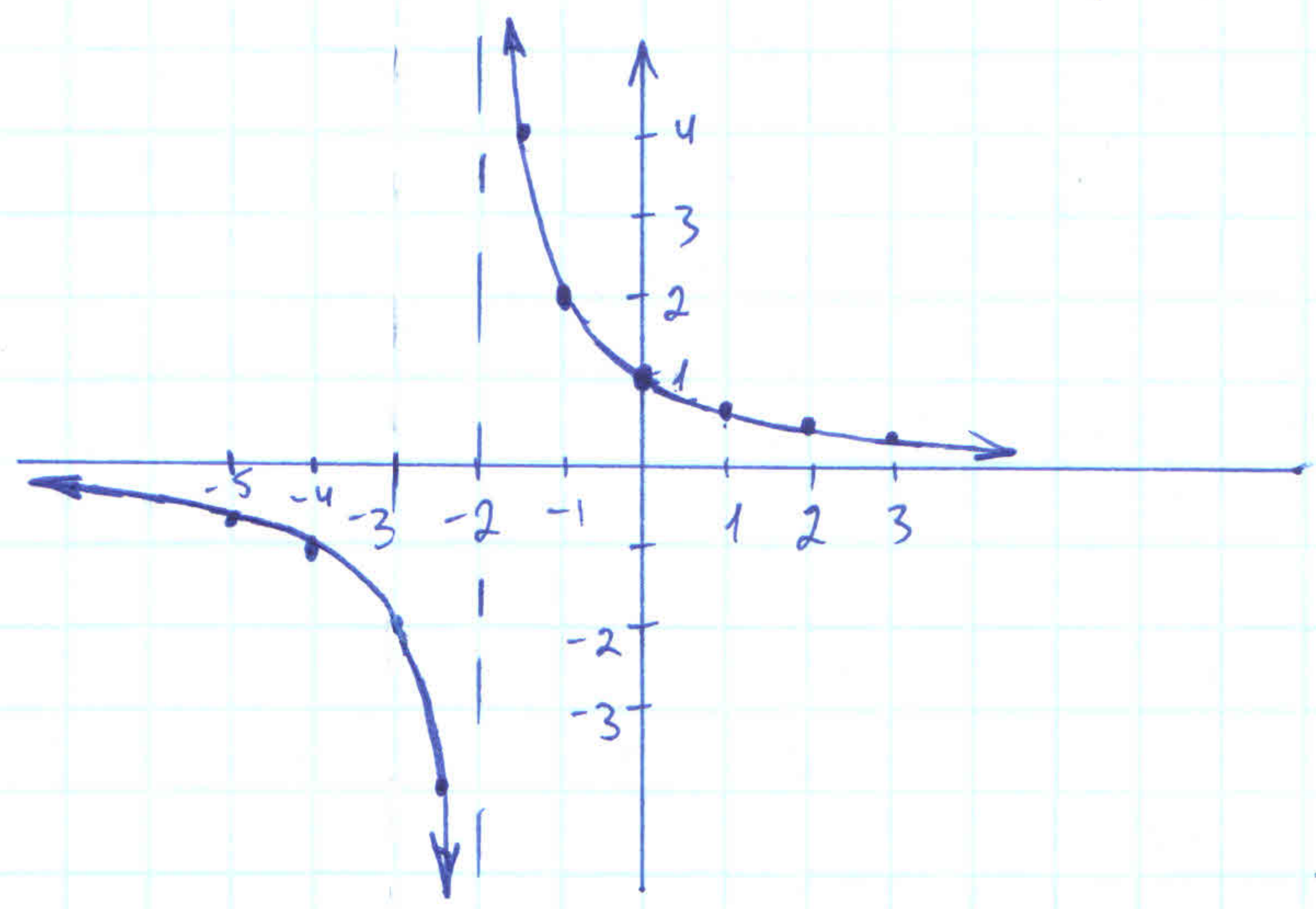
x	y
-2	16
-1	2
0	0
1	-2
2	-16



N30

$y = \frac{2}{x+2}$  - hyperbola

x	-3	-1	0	1	2	3	-4	-5	$-\frac{3}{2}$	-2.5	x = -2 undefined ↑ vertical asymptote.
y	-2	2	1	$\frac{2}{3}$	$\frac{1}{2}$	$\frac{2}{5}$	-1	$-\frac{2}{3}$	4	-4	



$x = -\frac{3}{2}$   
 $y = \frac{2}{-\frac{3}{2} + 2} = \frac{2}{\frac{1}{2}} = 4$

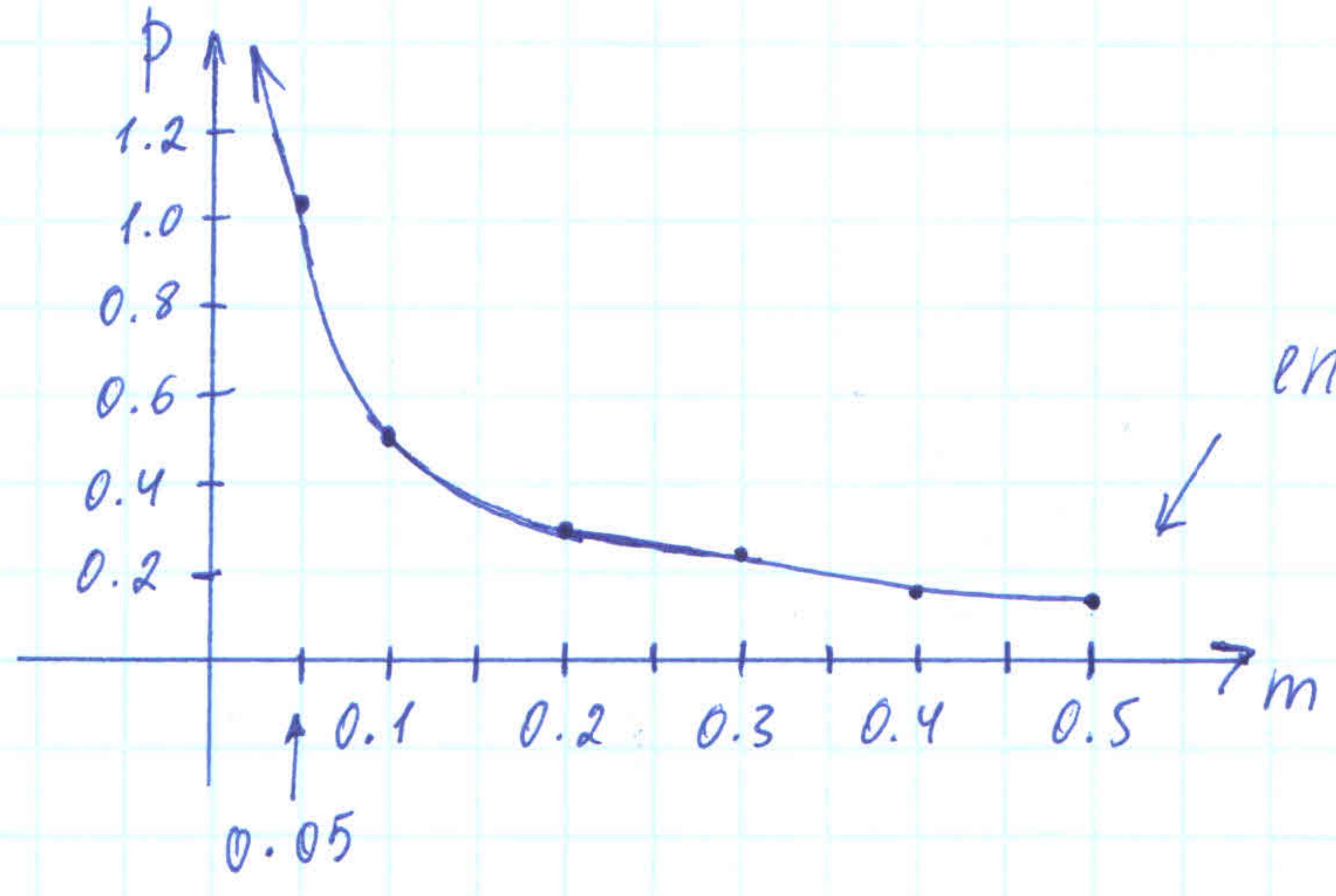
pp. 95-96 / 50, 60

N50

$p = \frac{0.05(1+m)}{m}$        $0 \leq m \leq 0.50$

will use calculator for evaluations

m	0	0.1	0.2	0.3	0.4	0.5	0.05
p	undef.	0.55	0.3	0.22	0.175	0.15	1.05



ends here, because of

N60

$$f(x) = \begin{cases} \frac{1}{x-1} & (x < 0) \\ \sqrt{x+1} & (x \geq 0) \end{cases}$$

$$y = \frac{1}{x-1} \text{ for } x < 0$$

x	y
-5	-1/6
-4	-1/5
-3	-1/4
-2	-1/3
-1	-1/2
-1/2	-0.7
-1/4	-0.8
-1/3	-0.9
-1/10	-0.9
0	-1

doesn't belong to the graph

$$y = \sqrt{x+1} \text{ for } x \geq 0$$

x	y
0	1
1	$\sqrt{2} \approx 1.4$
2	$\sqrt{3} \approx 1.7$
3	2
4	$\sqrt{5} \approx 2.2$
5	$\sqrt{6} \approx 2.45$

