

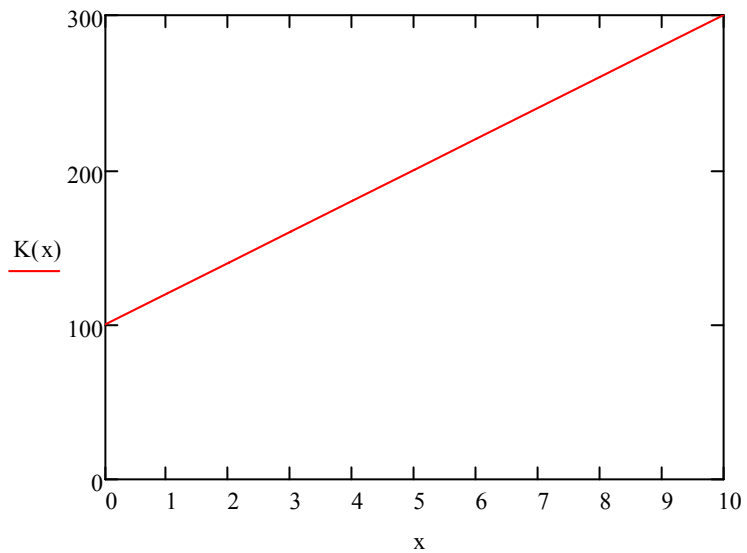
## Aufgabe zu 2.3.2 - Lösung -

### Aufgabe 1

$x := 0..10$

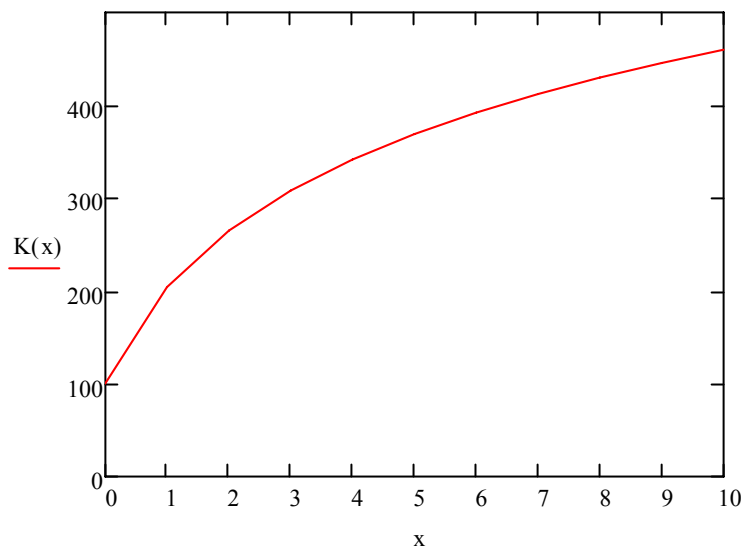
$K(x) := 100 + 20x$

x =	K(x) =
0	100.00
1	120.00
2	140.00
3	160.00
4	180.00
5	200.00
6	220.00
7	240.00
8	260.00
9	280.00
10	300.00



$K(x) := 100 + 150 \cdot \ln(x + 1)$

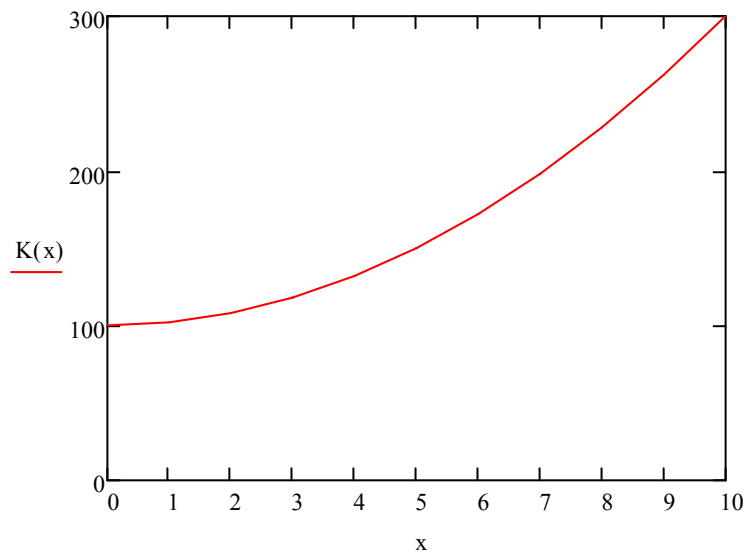
x =	K(x) =
0	100.00
1	203.97
2	264.79
3	307.94
4	341.42
5	368.76
6	391.89
7	411.92
8	429.58
9	445.39
10	459.68



## Aufgabe zu 2.3.2 - Lösung -

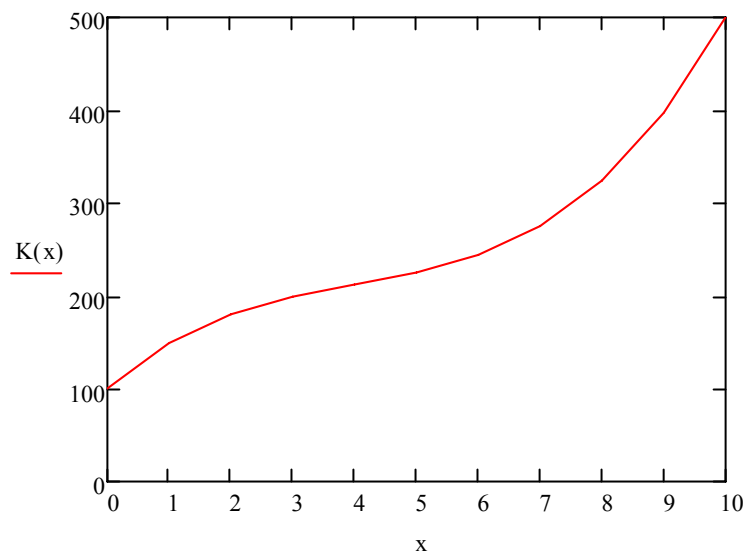
$$K(x) := 100 + 2 \cdot x^2$$

x =	K(x) =
0	100.00
1	102.00
2	108.00
3	118.00
4	132.00
5	150.00
6	172.00
7	198.00
8	228.00
9	262.00
10	300.00



$$K(x) := 100 + x^3 - 12 \cdot x^2 + 60 \cdot x$$

x =	K(x) =
0	100.00
1	149.00
2	180.00
3	199.00
4	212.00
5	225.00
6	244.00
7	275.00
8	324.00
9	397.00
10	500.00



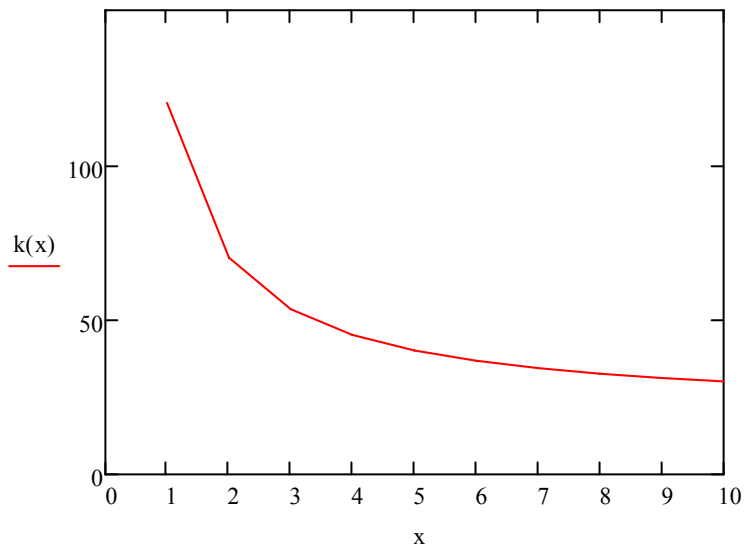
## Aufgabe zu 2.3.2 - Lösung -

### Aufgabe 2

$x := 1..10$

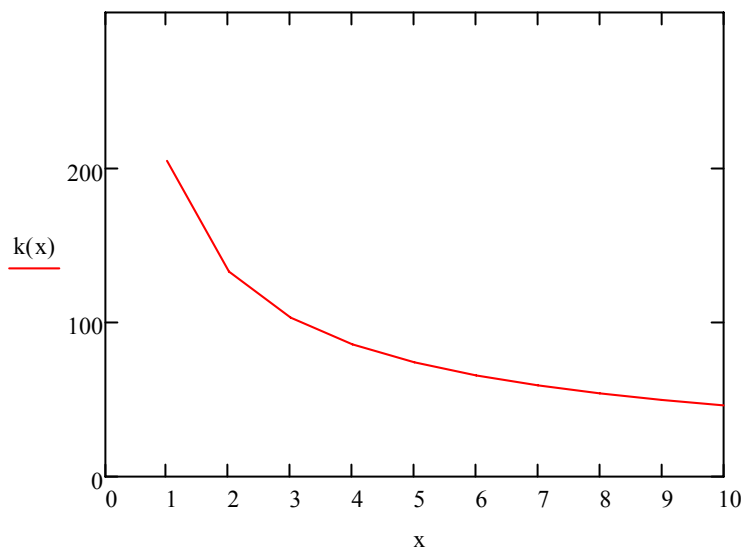
$$k(x) := \frac{100 + 20 \cdot x}{x}$$

x =	k(x) =
1	120.00
2	70.00
3	53.33
4	45.00
5	40.00
6	36.67
7	34.29
8	32.50
9	31.11
10	30.00



$$k(x) := \frac{100 + 150 \cdot \ln(x + 1)}{x}$$

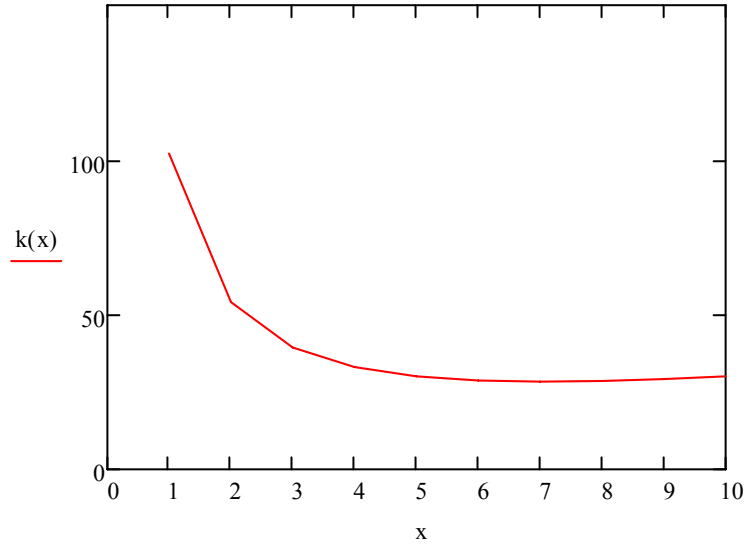
x =	k(x) =
1	203.97
2	132.40
3	102.65
4	85.35
5	73.75
6	65.31
7	58.85
8	53.70
9	49.49
10	45.97



## Aufgabe zu 2.3.2 - Lösung -

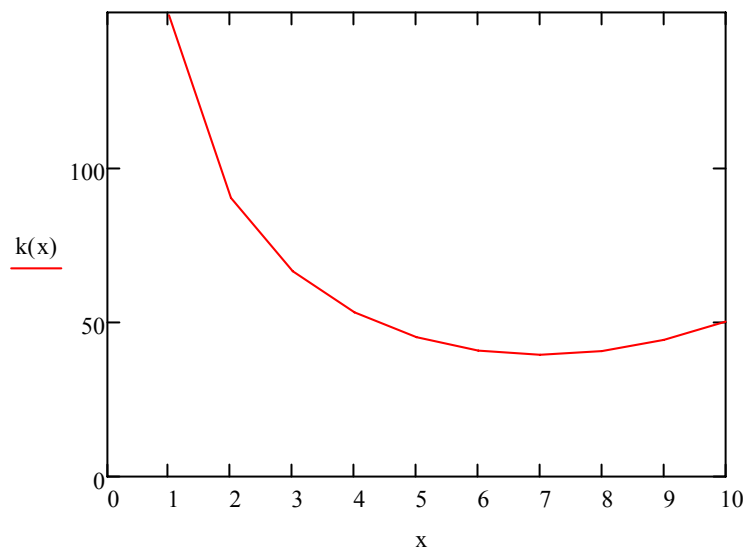
$$k(x) := \frac{100 + 2 \cdot x^2}{x}$$

x =	k(x) =
1	102.00
2	54.00
3	39.33
4	33.00
5	30.00
6	28.67
7	28.29
8	28.50
9	29.11
10	30.00



$$k(x) := \frac{100 + x^3 - 12x^2 + 60x}{x}$$

x =	k(x) =
1	149.00
2	90.00
3	66.33
4	53.00
5	45.00
6	40.67
7	39.29
8	40.50
9	44.11
10	50.00

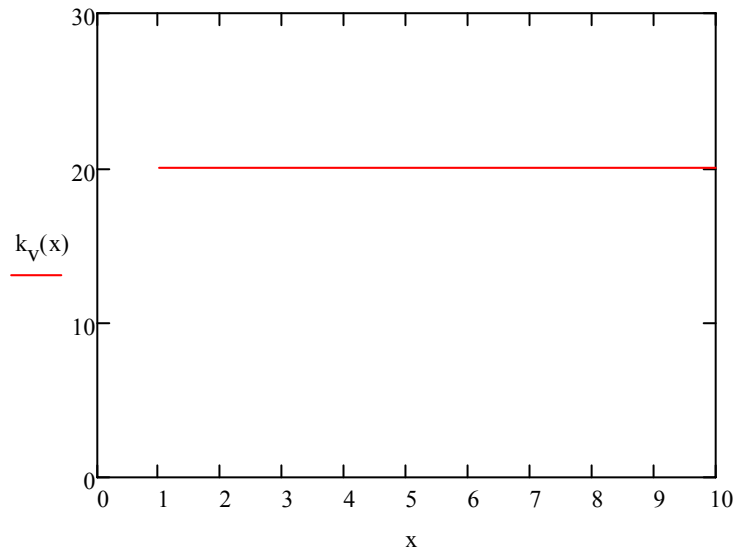


## Aufgabe zu 2.3.2 - Lösung -

### Aufgabe 3

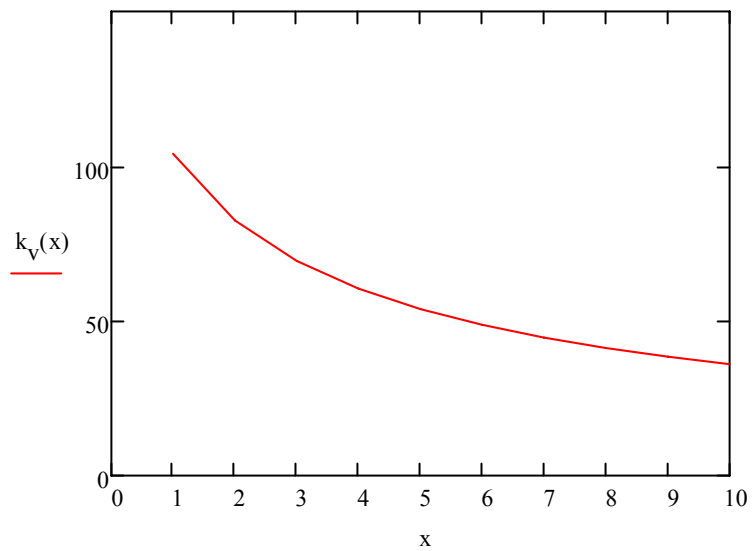
$$k_V(x) := \frac{20x}{x}$$

x =	$k_V(x) =$
1	20.00
2	20.00
3	20.00
4	20.00
5	20.00
6	20.00
7	20.00
8	20.00
9	20.00
10	20.00



$$k_V(x) := \frac{150 \cdot \ln(x + 1)}{x}$$

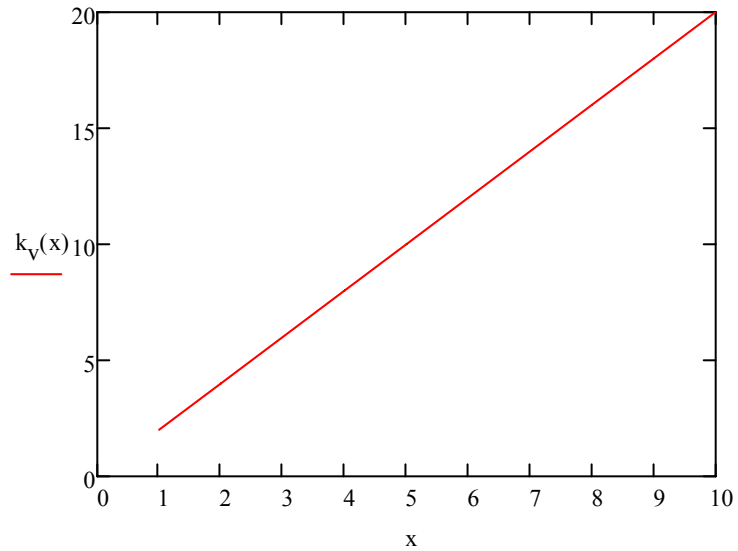
x =	$k_V(x) =$
1	103.97
2	82.40
3	69.31
4	60.35
5	53.75
6	48.65
7	44.56
8	41.20
9	38.38
10	35.97



## Aufgabe zu 2.3.2 - Lösung -

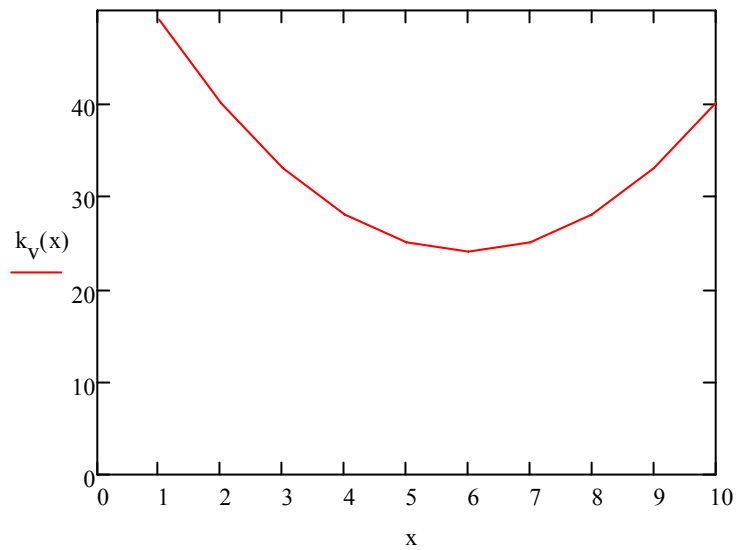
$$k_V(x) := \frac{2x^2}{x}$$

x =	$k_V(x) =$
1	2.00
2	4.00
3	6.00
4	8.00
5	10.00
6	12.00
7	14.00
8	16.00
9	18.00
10	20.00



$$k_V(x) := \frac{x^3 - 12x^2 + 60x}{x}$$

x =	$k_V(x) =$
1	49.00
2	40.00
3	33.00
4	28.00
5	25.00
6	24.00
7	25.00
8	28.00
9	33.00
10	40.00



## Aufgabe zu 2.3.2 - Lösung -

### Aufgabe 4

$$k_f(x) := \frac{100}{x}$$

x =	$k_f(x) =$
1	100.00
2	50.00
3	33.33
4	25.00
5	20.00
6	16.67
7	14.29
8	12.50
9	11.11
10	10.00

