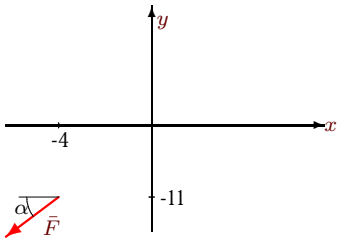


Момент силы относительно точки

Найти момент силы F относительно начала координат.

Задача 23.1.

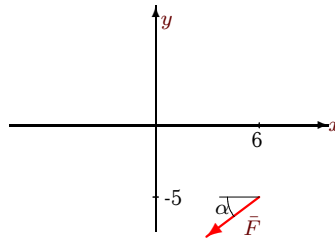
3



$$F = 15, \operatorname{tg}\alpha = 3/4$$

Задача 23.2.

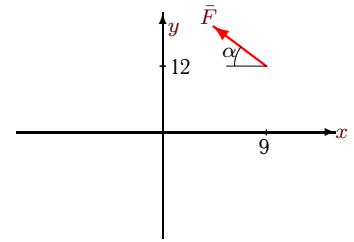
3



$$F = 20, \operatorname{tg}\alpha = 4/3$$

Задача 23.3.

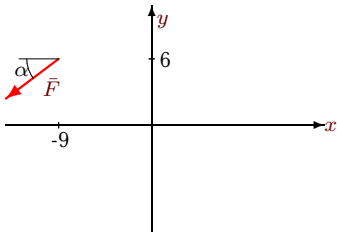
3



$$F = 15, \operatorname{tg}\alpha = 4/3$$

Задача 23.4.

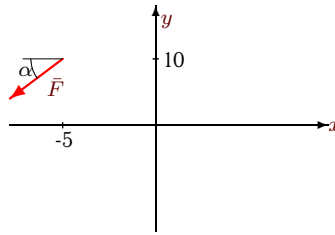
3



$$F = 20, \operatorname{tg}\alpha = 4/3$$

Задача 23.5.

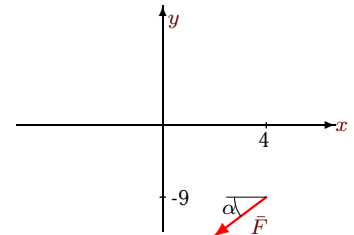
3



$$F = 15, \operatorname{tg}\alpha = 3/4$$

Задача 23.6.

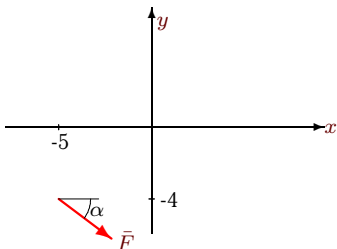
3



$$F = 10, \operatorname{tg}\alpha = 3/4$$

Задача 23.7.

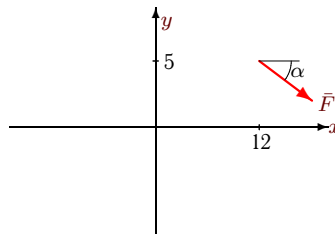
3



$$F = 10, \operatorname{tg}\alpha = 3/4$$

Задача 23.8.

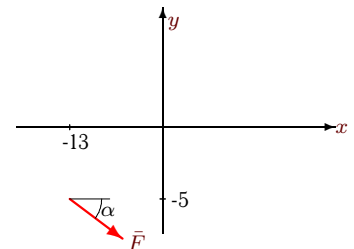
3



$$F = 15, \operatorname{tg}\alpha = 3/4$$

Задача 23.9.

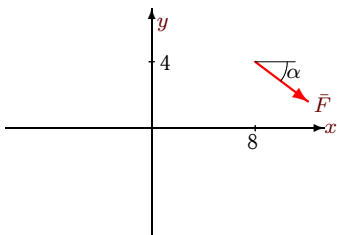
3



$$F = 20, \operatorname{tg}\alpha = 3/4$$

Задача 23.10.

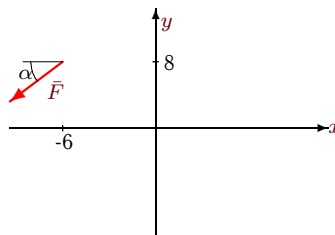
3



$$F = 20, \operatorname{tg}\alpha = 4/3$$

Задача 23.11.

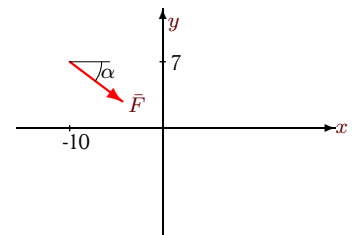
3



$$F = 20, \operatorname{tg}\alpha = 4/3$$

Задача 23.12.

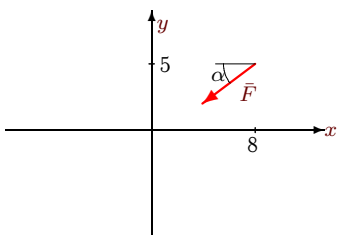
3



$$F = 10, \operatorname{tg}\alpha = 4/3$$

Задача 23.13.

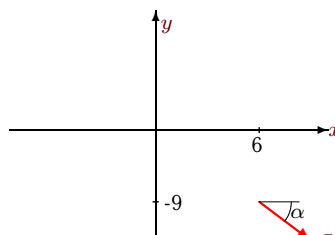
3



$$F = 5, \operatorname{tg}\alpha = 3/4$$

Задача 23.14.

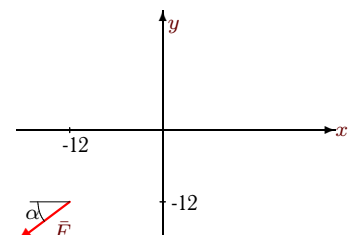
3



$$F = 15, \operatorname{tg}\alpha = 4/3$$

Задача 23.15.

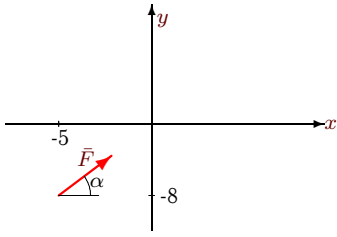
3



$$F = 15, \operatorname{tg}\alpha = 4/3$$

Задача 23.16.

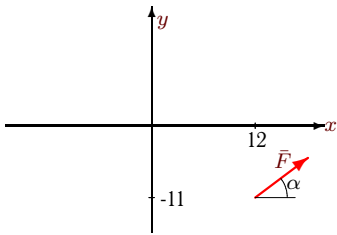
3



$$F = 10, \operatorname{tg}\alpha = 3/4$$

Задача 23.19.

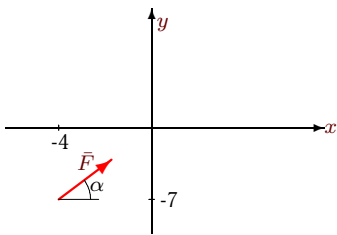
3



$$F = 15, \operatorname{tg}\alpha = 4/3$$

Задача 23.22.

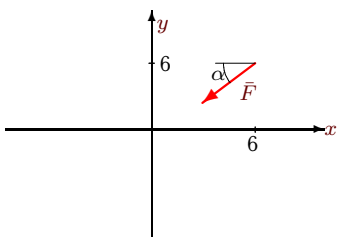
3



$$F = 5, \operatorname{tg}\alpha = 4/3$$

Задача 23.25.

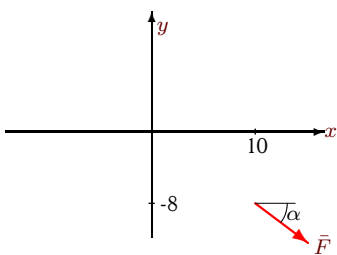
3



$$F = 5, \operatorname{tg}\alpha = 3/4$$

Задача 23.28.

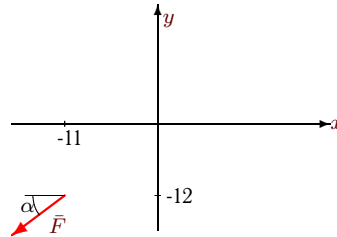
3



$$F = 10, \operatorname{tg}\alpha = 4/3$$

Задача 23.17.

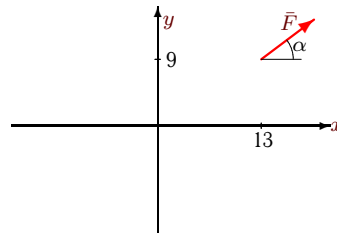
3



$$F = 10, \operatorname{tg}\alpha = 3/4$$

Задача 23.20.

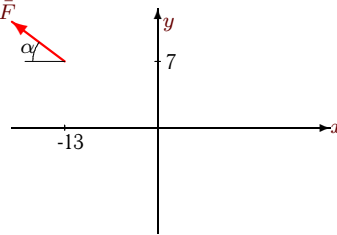
3



$$F = 15, \operatorname{tg}\alpha = 4/3$$

Задача 23.23.

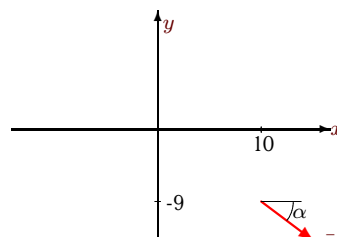
3



$$F = 15, \operatorname{tg}\alpha = 3/4$$

Задача 23.26.

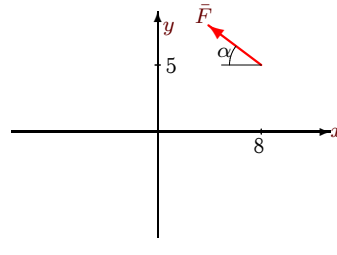
3



$$F = 15, \operatorname{tg}\alpha = 4/3$$

Задача 23.29.

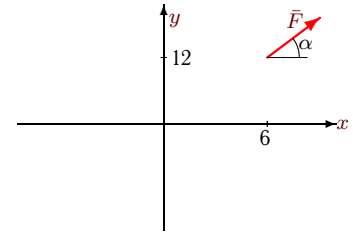
3



$$F = 15, \operatorname{tg}\alpha = 3/4$$

Задача 23.18.

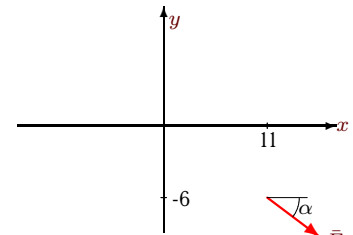
3



$$F = 5, \operatorname{tg}\alpha = 4/3$$

Задача 23.21.

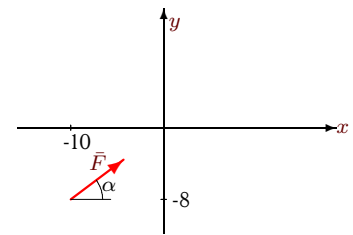
3



$$F = 10, \operatorname{tg}\alpha = 4/3$$

Задача 23.24.

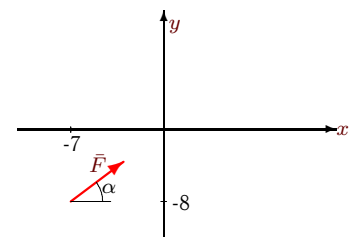
3



$$F = 20, \operatorname{tg}\alpha = 3/4$$

Задача 23.27.

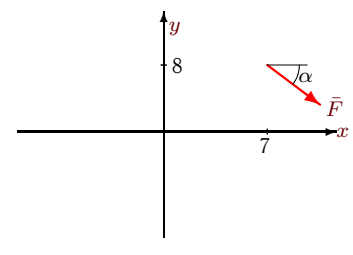
3



$$F = 15, \operatorname{tg}\alpha = 3/4$$

Задача 23.30.

3



$$F = 5, \operatorname{tg}\alpha = 3/4$$

Момент силы относительно точки

№	$M(F_x)$	$M(F_y)$	$M(F)$
1	-132	36	-96
2	-60	-96	-156
3	108	108	216
4	72	144	216
5	120	45	165
6	-72	-24	-96
7	32	30	62
8	-60	-108	-168
9	80	156	236
10	-48	-128	-176
11	96	96	192
12	-42	80	38
13	20	-24	-4
14	81	-72	9
15	-108	144	36
16	64	-30	34
17	-96	66	-30
18	-36	24	-12
19	99	144	243
20	-81	156	75
21	36	-88	-52
22	21	-16	5
23	84	-117	-33
24	128	-120	8
25	24	-18	6
26	81	-120	-39
27	96	-63	33
28	48	-80	-32
29	60	72	132
30	-32	-21	-53