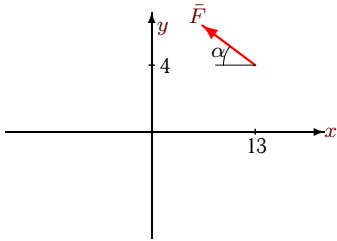


Момент силы относительно точки

Найти момент силы F относительно начала координат.

Задача 23.1.

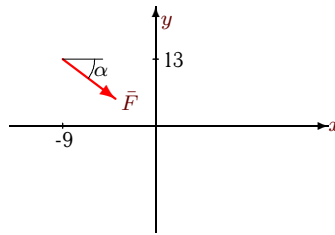
5



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

Задача 23.2.

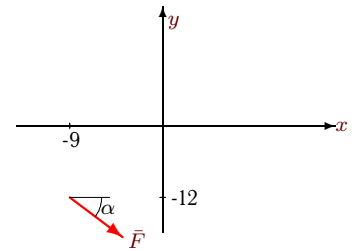
5



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

Задача 23.3.

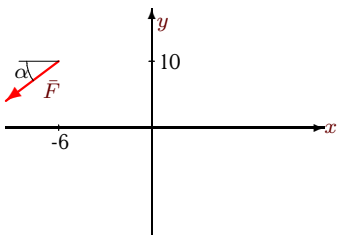
5



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

Задача 23.4.

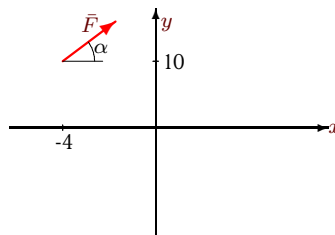
5



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

Задача 23.5.

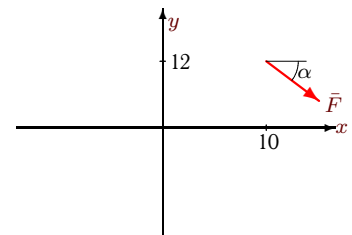
5



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

Задача 23.6.

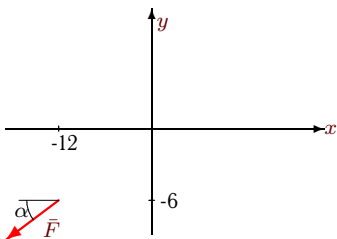
5



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

Задача 23.7.

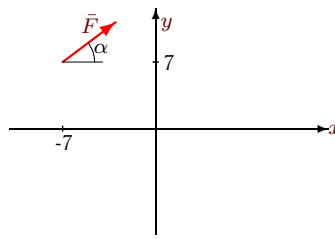
5



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

Задача 23.8.

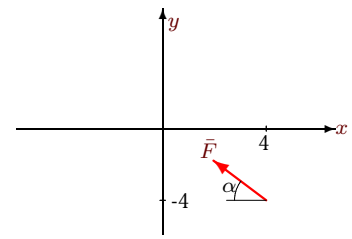
5



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

Задача 23.9.

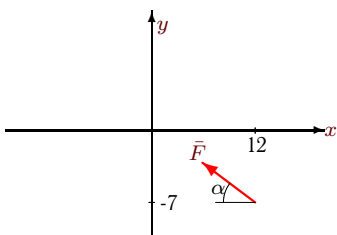
5



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

Задача 23.10.

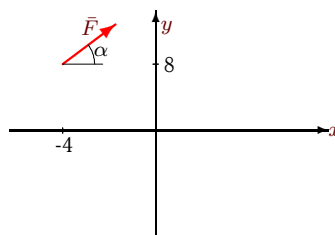
5



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

Задача 23.11.

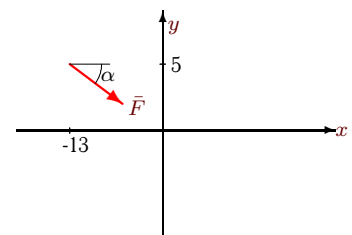
5



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

Задача 23.12.

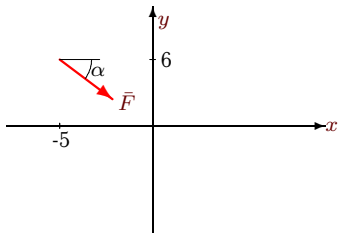
5



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

Задача 23.13.

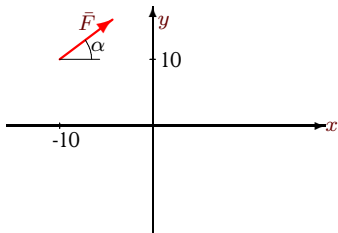
5



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

Задача 23.16.

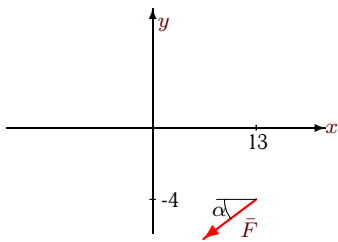
5



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

Задача 23.19.

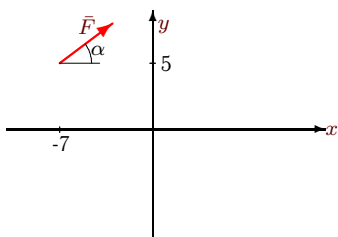
5



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

Задача 23.22.

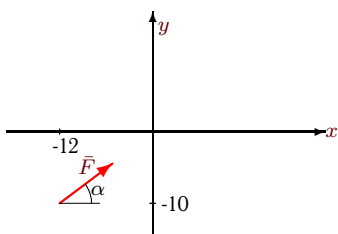
5



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

Задача 23.25.

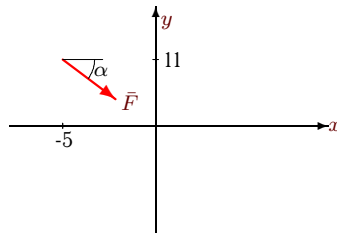
5



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

Задача 23.14.

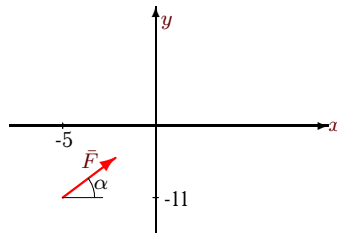
5



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

Задача 23.17.

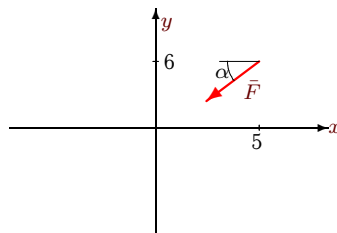
5



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

Задача 23.20.

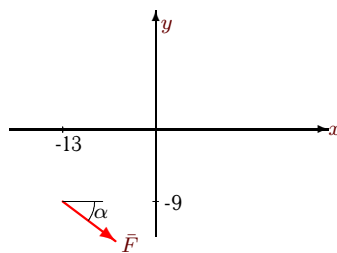
5



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

Задача 23.23.

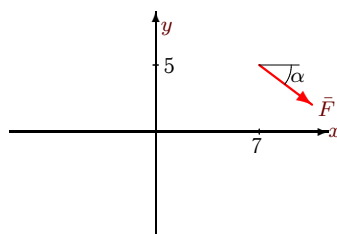
5



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

Задача 23.26.

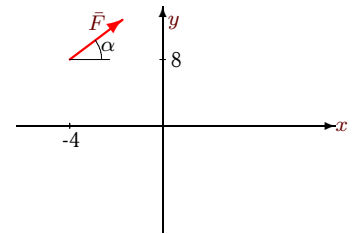
5



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

Задача 23.15.

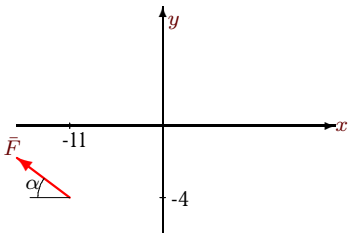
5



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

Задача 23.18.

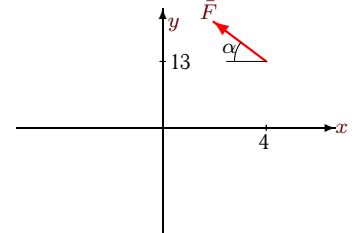
5



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

Задача 23.21.

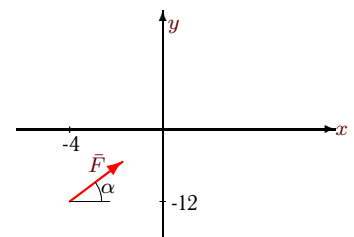
5



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

Задача 23.24.

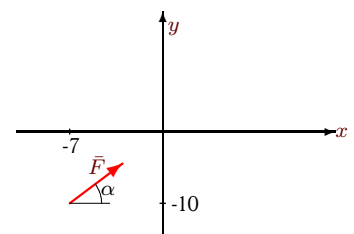
5



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

Задача 23.27.

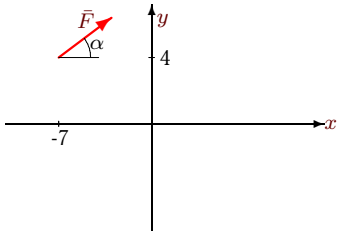
5



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

Задача 23.28.

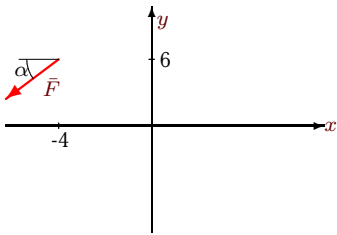
5



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

Задача 23.31.

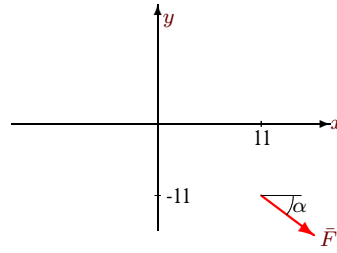
5



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

Задача 23.29.

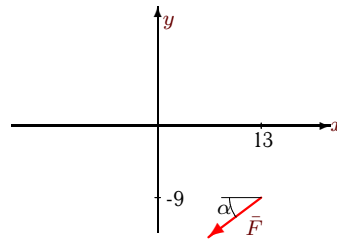
5



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

Задача 23.32.

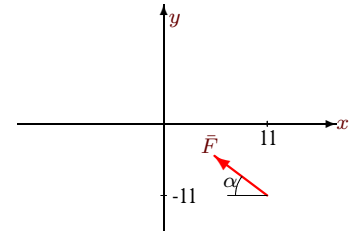
5



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

Задача 23.30.

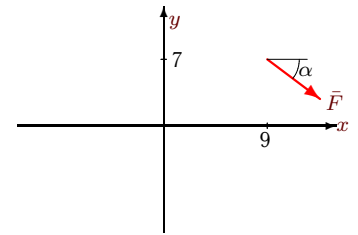
5



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

Задача 23.33.

5



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

Момент силы относительно точки

№	$M(F_x)$	$M(F_y)$	$M(F)$
1	64	156	220
2	-156	144	-12
3	192	108	300
4	60	48	108
5	-120	-36	-156
6	-144	-90	-234
7	-96	144	48
8	-28	-21	-49
9	-16	12	-4
10	-28	36	8
11	-96	-36	-132
12	-30	104	74
13	-72	80	8
14	-99	60	-39
15	-64	-24	-88
16	-90	-120	-210
17	66	-40	26
18	-16	-33	-49
19	-16	-39	-55
20	96	-60	36
21	39	16	55
22	-40	-42	-82
23	144	156	300
24	192	-48	144
25	120	-192	-72
26	-60	-112	-172
27	90	-84	6
28	-32	-42	-74
29	132	-176	-44
30	-33	44	11
31	54	48	102
32	-36	-39	-75
33	-56	-54	-110