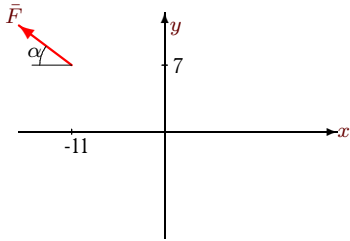


Момент силы относительно точки

Найти момент силы F относительно начала координат.

Задача 23.1.

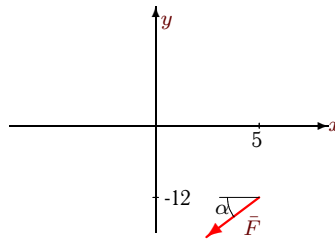
4



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

Задача 23.2.

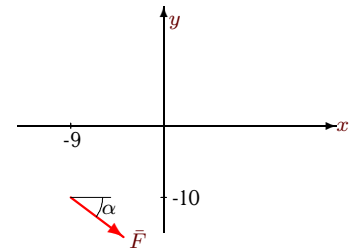
4



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

Задача 23.3.

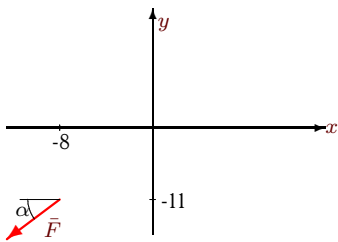
4



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

Задача 23.4.

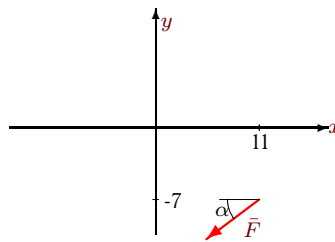
4



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

Задача 23.5.

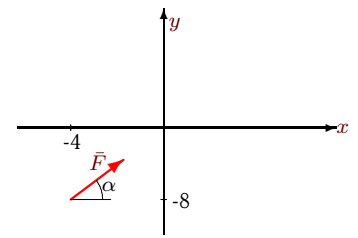
4



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

Задача 23.6.

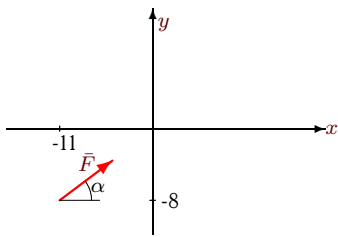
4



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

Задача 23.7.

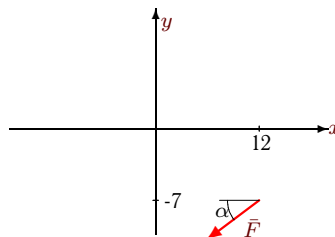
4



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

Задача 23.8.

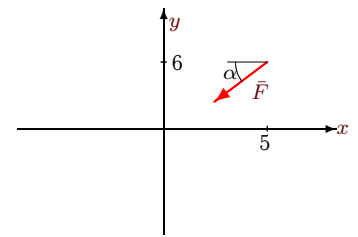
4



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

Задача 23.9.

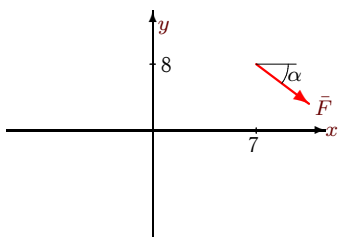
4



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

Задача 23.10.

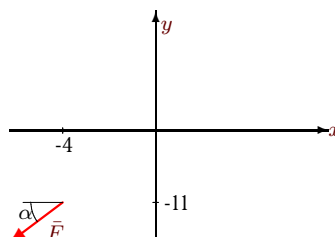
4



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

Задача 23.11.

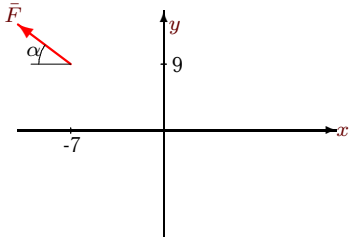
4



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

Задача 23.12.

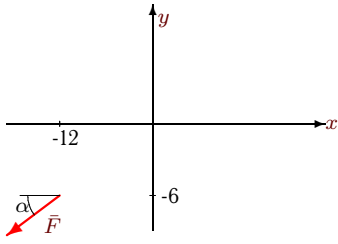
4



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

Задача 23.13.

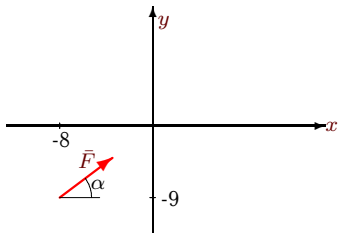
4



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

Задача 23.16.

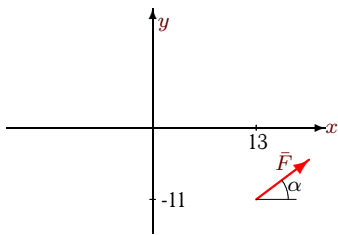
4



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

Задача 23.19.

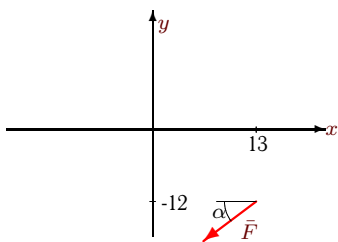
4



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

Задача 23.22.

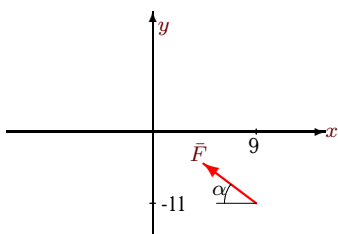
4



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

Задача 23.25.

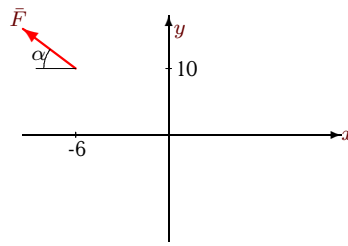
4



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

Задача 23.14.

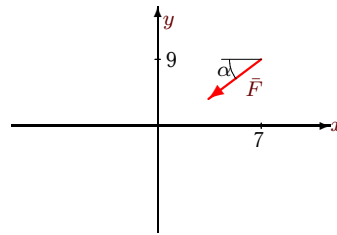
4



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

Задача 23.17.

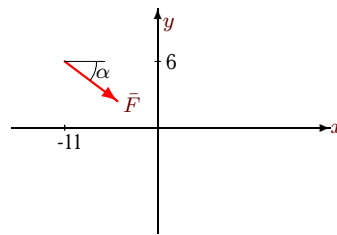
4



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

Задача 23.20.

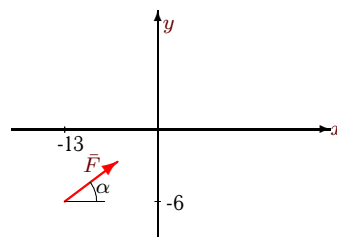
4



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

Задача 23.23.

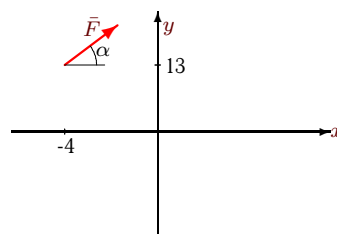
4



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

Задача 23.26.

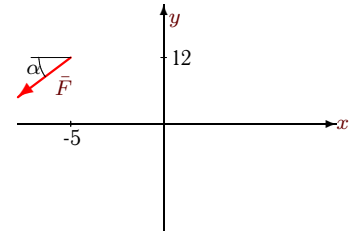
4



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

Задача 23.15.

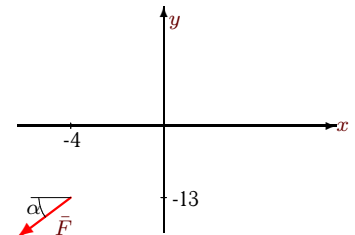
4



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

Задача 23.18.

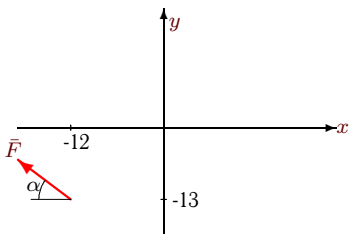
4



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

Задача 23.21.

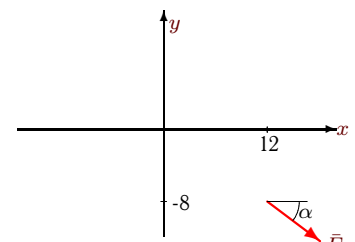
4



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

Задача 23.24.

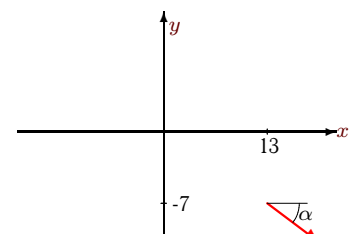
4



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

Задача 23.27.

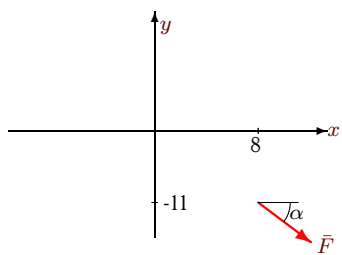
4



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

Задача 23.28.

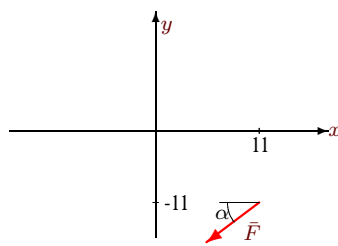
4



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

Задача 23.29.

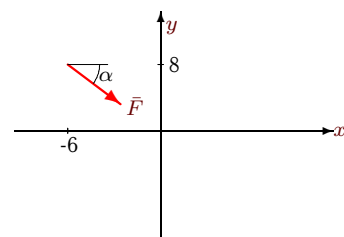
4



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

Задача 23.30.

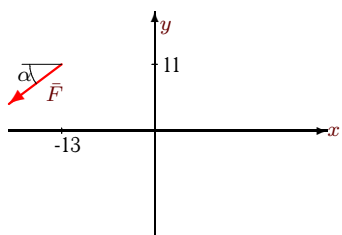
4



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

Задача 23.31.

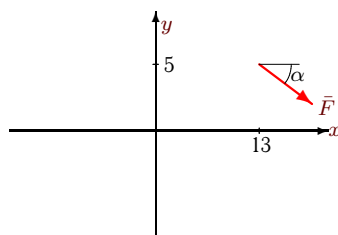
4



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

Задача 23.32.

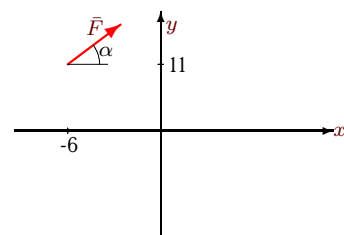
4



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

Задача 23.33.

4



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

Момент силы относительно точки

№	$M(F_x)$	$M(F_y)$	$M(F)$
1	28	-33	-5
2	-72	-40	-112
3	120	81	201
4	-66	64	-2
5	-28	-33	-61
6	96	-36	60
7	64	-66	-2
8	-42	-96	-138
9	96	-60	36
10	-48	-56	-104
11	-176	48	-128
12	81	-84	-3
13	-72	108	36
14	80	-36	44
15	96	30	126
16	27	-32	-5
17	108	-63	45
18	-52	12	-40
19	132	117	249
20	-72	99	27
21	-39	-48	-87
22	-48	-39	-87
23	36	-104	-68
24	72	-144	-72
25	-99	108	9
26	-117	-48	-165
27	56	-78	-22
28	176	-96	80
29	-44	-33	-77
30	-48	48	-0
31	66	104	170
32	-60	-208	-268
33	-99	-72	-171