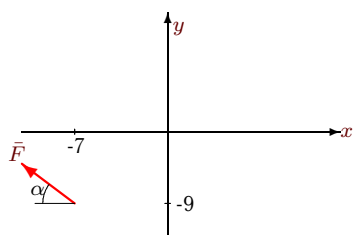


Момент силы относительно точки

Найти момент силы F относительно начала координат.

Задача 23.1.

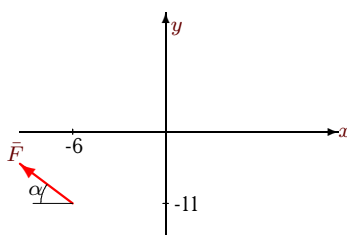
7



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

Задача 23.2.

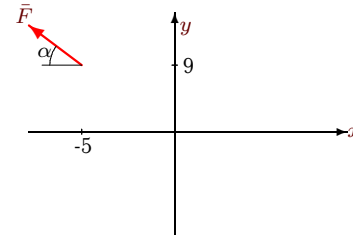
7



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

Задача 23.3.

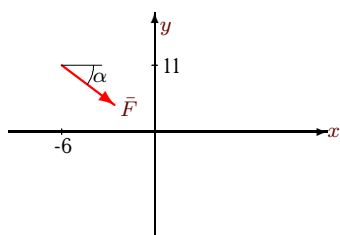
7



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

Задача 23.4.

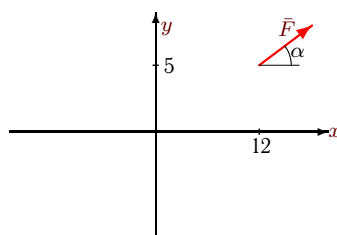
7



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

Задача 23.5.

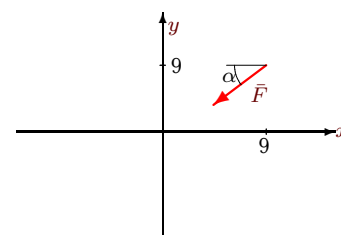
7



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

Задача 23.6.

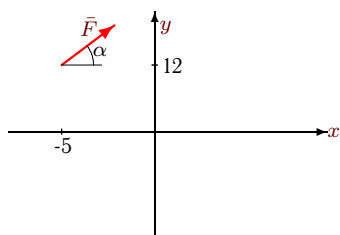
7



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

Задача 23.7.

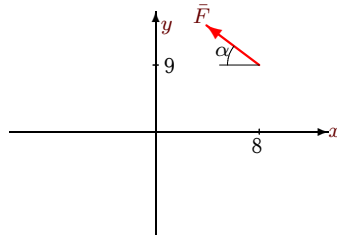
7



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

Задача 23.8.

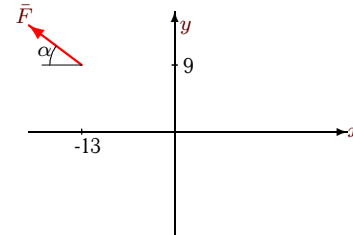
7



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

Задача 23.9.

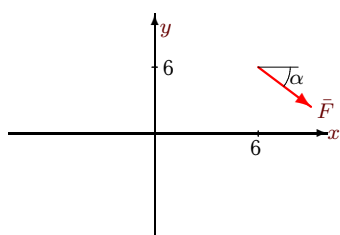
7



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

Задача 23.10.

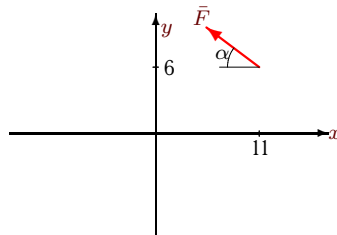
7



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

Задача 23.11.

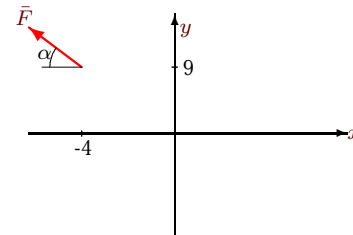
7



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

Задача 23.12.

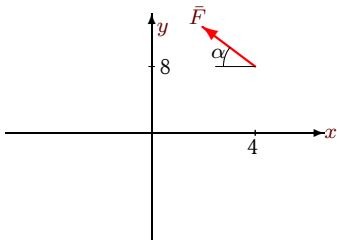
7



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

Задача 23.13.

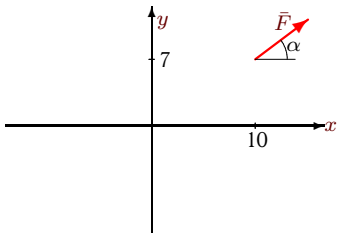
7



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

Задача 23.16.

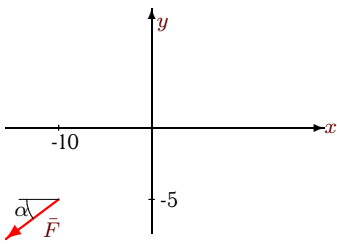
7



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

Задача 23.19.

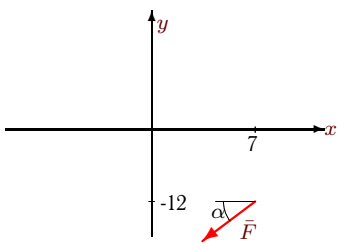
7



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

Задача 23.22.

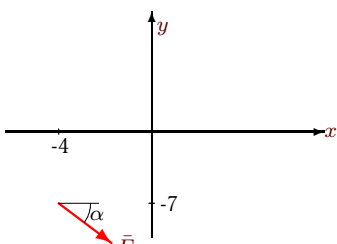
7



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

Задача 23.25.

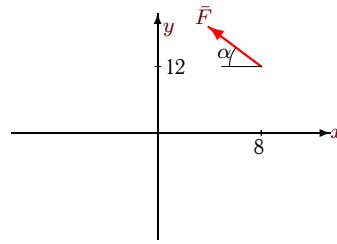
7



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

Задача 23.14.

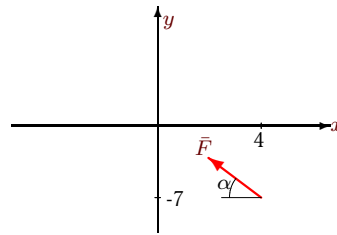
7



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

Задача 23.17.

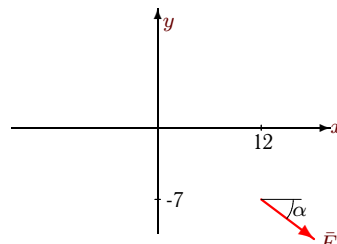
7



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

Задача 23.20.

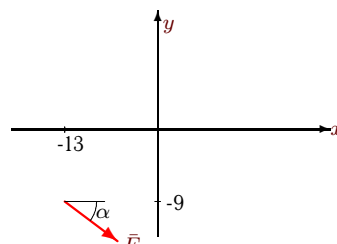
7



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

Задача 23.23.

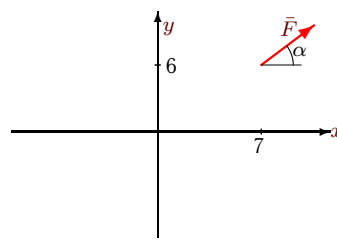
7



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

Задача 23.26.

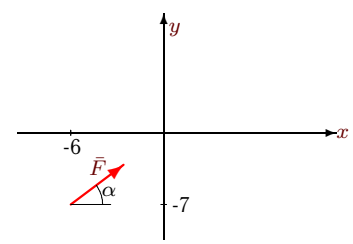
7



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

Задача 23.15.

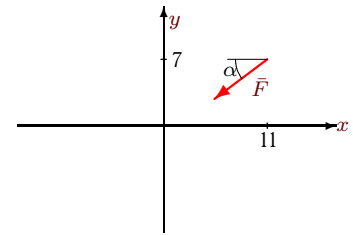
7



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

Задача 23.18.

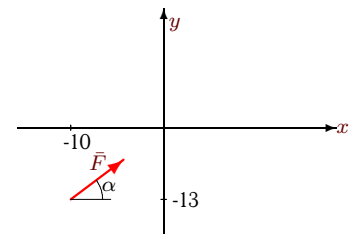
7



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

Задача 23.21.

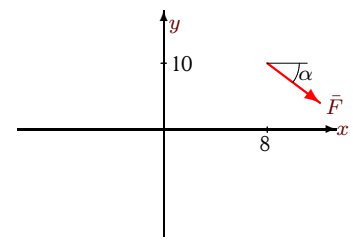
7



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

Задача 23.24.

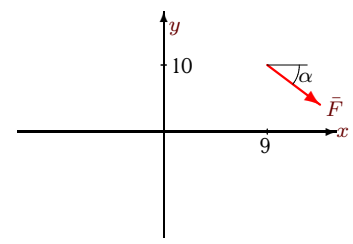
7



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

Задача 23.27.

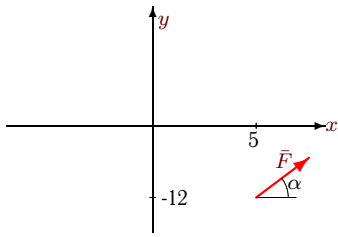
7



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

Задача 23.28.

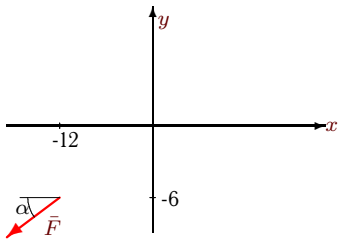
7



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

Задача 23.31.

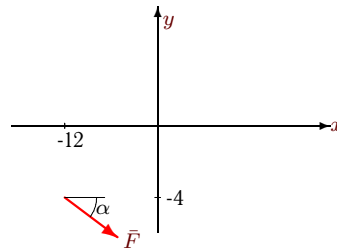
7



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

Задача 23.29.

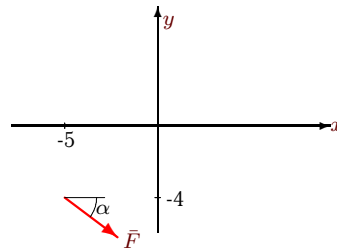
7



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

Задача 23.32.

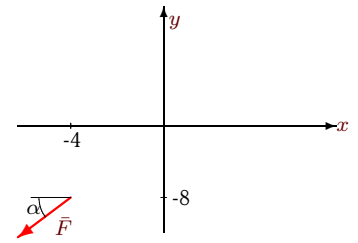
7



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

Задача 23.30.

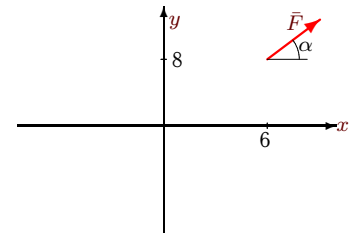
7



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

Задача 23.33.

7



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

Момент силы относительно точки

№	$M(F_x)$	$M(F_y)$	$M(F)$
1	-144	-84	-228
2	-132	-96	-228
3	108	-45	63
4	-33	24	-9
5	-60	192	132
6	108	-81	27
7	-48	-15	-63
8	54	64	118
9	144	-156	-12
10	-48	-36	-84
11	36	88	124
12	27	-16	11
13	72	48	120
14	192	96	288
15	84	-96	-12
16	-63	120	57
17	-21	16	-5
18	56	-66	-10
19	-30	80	50
20	84	-108	-24
21	117	-120	-3
22	-96	-42	-138
23	72	78	150
24	-30	-32	-62
25	84	36	120
26	-18	28	10
27	-120	-144	-264
28	108	60	168
29	48	108	156
30	-96	64	-32
31	-24	36	12
32	32	30	62
33	-96	54	-42