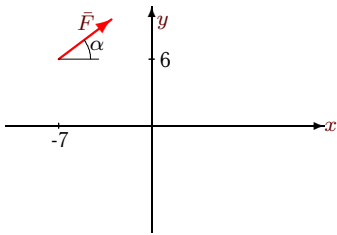


## Момент силы относительно точки

Найти момент силы  $F$  относительно начала координат.

**Задача 23.1.**

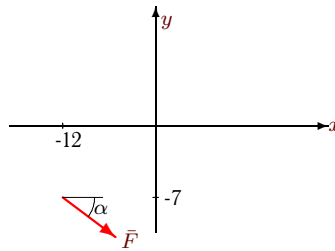
10



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

**Задача 23.2.**

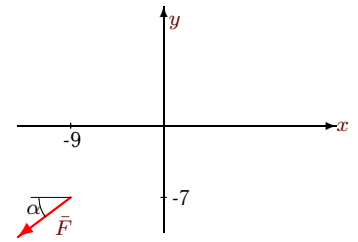
10



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

**Задача 23.3.**

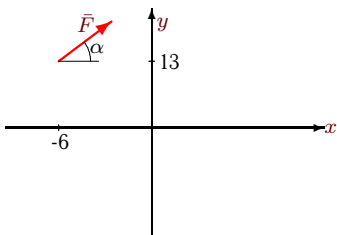
10



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

**Задача 23.4.**

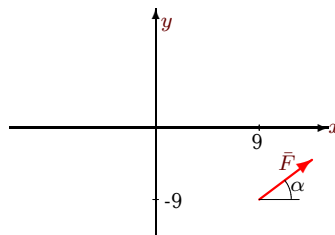
10



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

**Задача 23.5.**

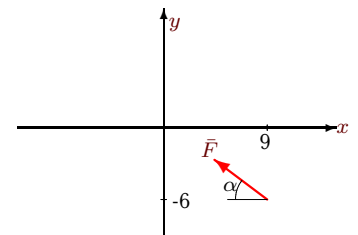
10



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

**Задача 23.6.**

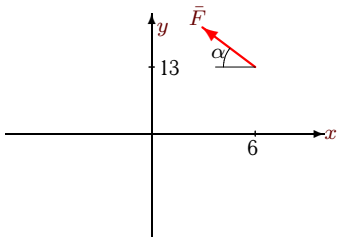
10



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

**Задача 23.7.**

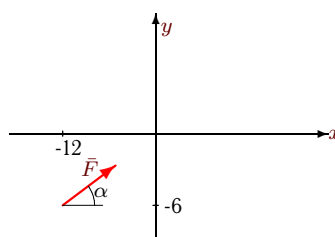
10



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

**Задача 23.8.**

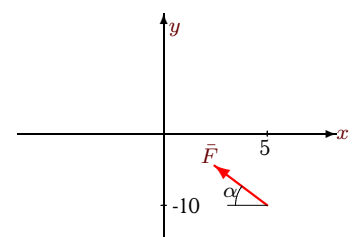
10



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

**Задача 23.9.**

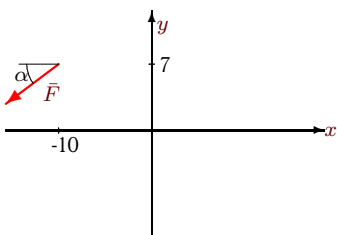
10



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

**Задача 23.10.**

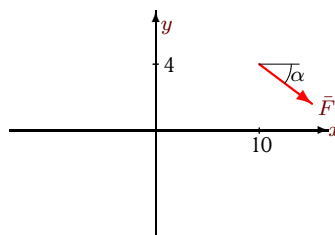
10



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

**Задача 23.11.**

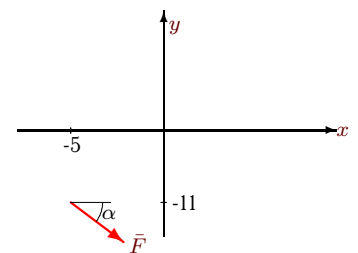
10



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

**Задача 23.12.**

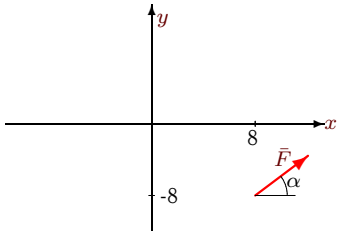
10



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

**Задача 23.13.**

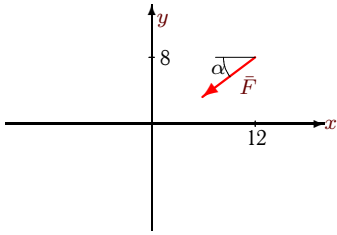
10



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

**Задача 23.16.**

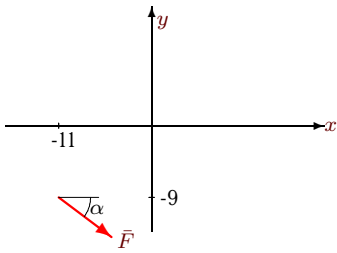
10



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

**Задача 23.19.**

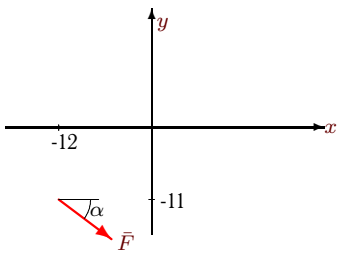
10



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

**Задача 23.22.**

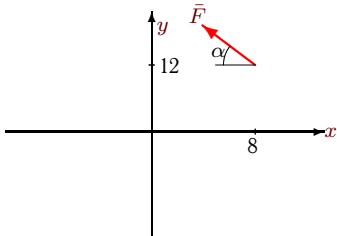
10



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

**Задача 23.25.**

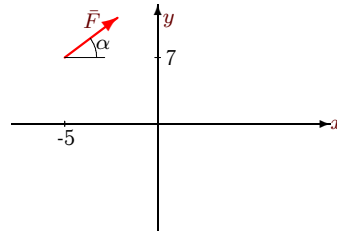
10



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

**Задача 23.14.**

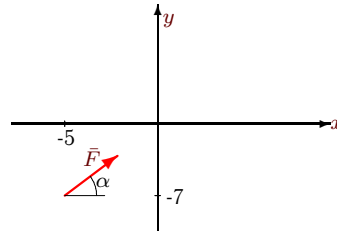
10



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

**Задача 23.17.**

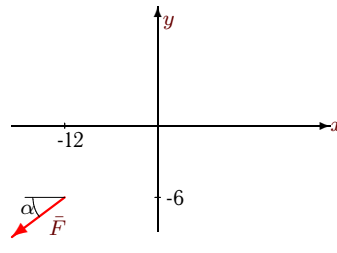
10



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

**Задача 23.20.**

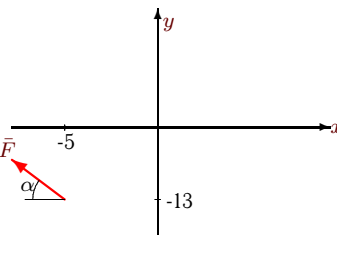
10



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

**Задача 23.23.**

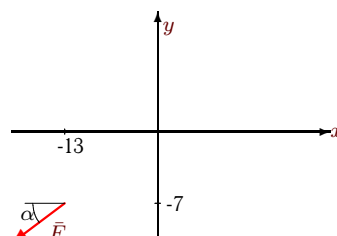
10



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

**Задача 23.26.**

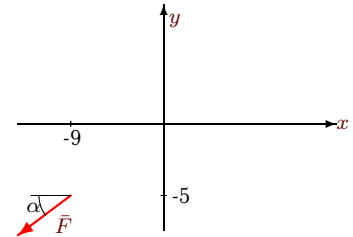
10



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

**Задача 23.15.**

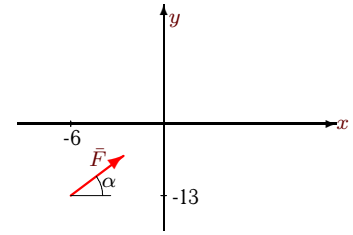
10



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

**Задача 23.18.**

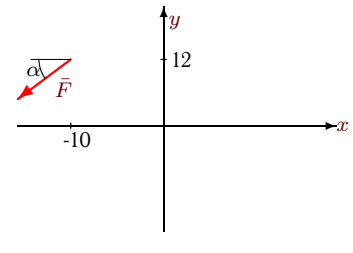
10



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

**Задача 23.21.**

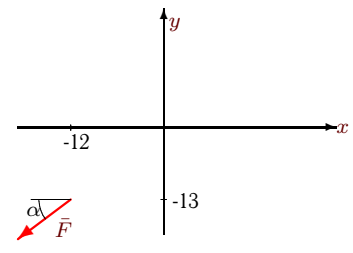
10



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

**Задача 23.24.**

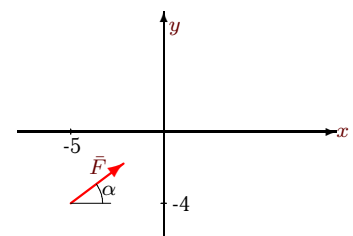
10



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

**Задача 23.27.**

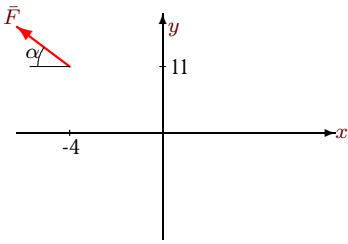
10



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

**Задача 23.28.**

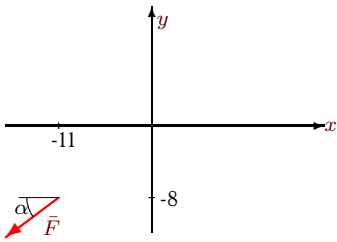
10



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

**Задача 23.31.**

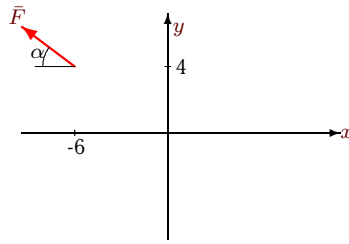
10



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

**Задача 23.29.**

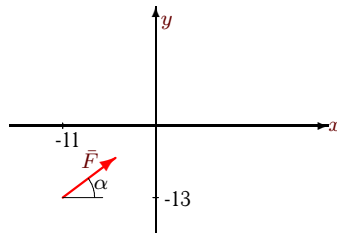
10



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

**Задача 23.32.**

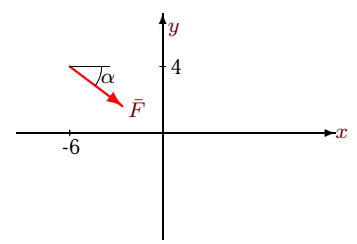
10



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

**Задача 23.30.**

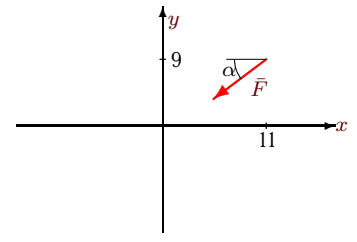
10



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

**Задача 23.33.**

10



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

**Момент силы относительно точки**

№	$M(F_x)$	$M(F_y)$	$M(F)$
1	-36	-56	-92
2	84	192	276
3	-84	144	60
4	-78	-48	-126
5	108	81	189
6	-36	72	36
7	52	18	70
8	24	-36	-12
9	-40	15	-25
10	84	90	174
11	-24	-80	-104
12	132	80	212
13	48	64	112
14	-21	-20	-41
15	-45	108	63
16	96	-192	-96
17	84	-45	39
18	117	-72	45
19	54	88	142
20	-48	72	24
21	108	120	228
22	132	108	240
23	-208	-60	-268
24	-78	96	18
25	72	64	136
26	-56	78	22
27	32	-30	2
28	132	-36	96
29	48	-54	-6
30	-32	36	4
31	-32	33	1
32	78	-88	-10
33	27	-44	-17