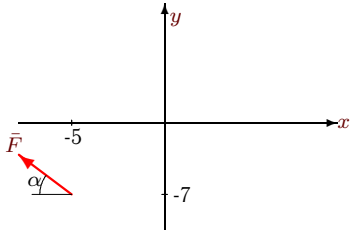


Момент силы относительно точки

Найти момент силы F относительно начала координат.

Задача 23.1.

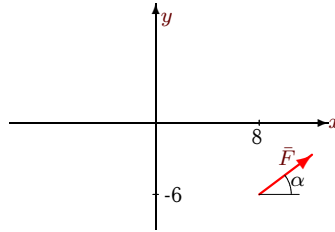
8



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

Задача 23.2.

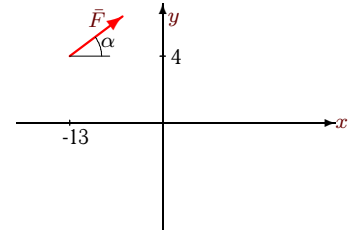
8



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

Задача 23.3.

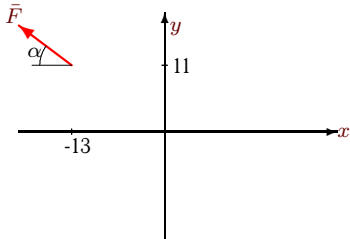
8



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

Задача 23.4.

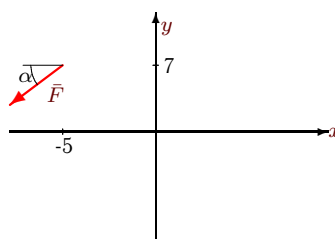
8



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

Задача 23.5.

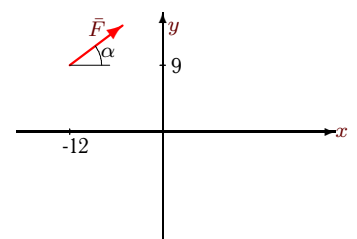
8



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

Задача 23.6.

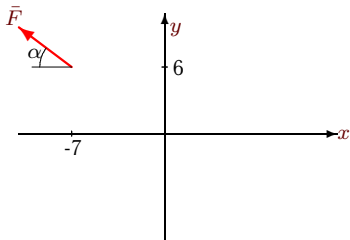
8



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

Задача 23.7.

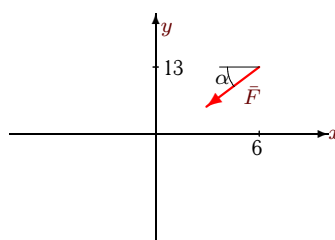
8



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

Задача 23.8.

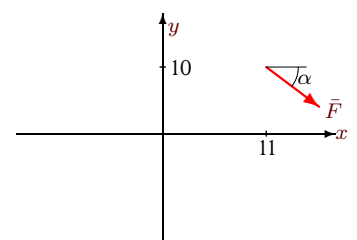
8



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

Задача 23.9.

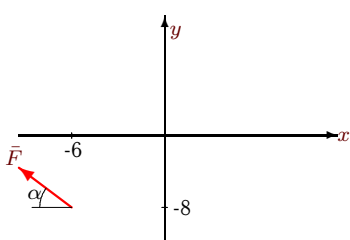
8



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

Задача 23.10.

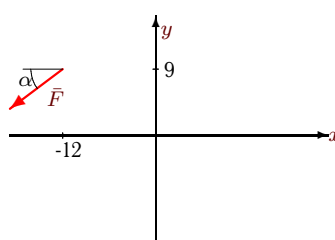
8



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

Задача 23.11.

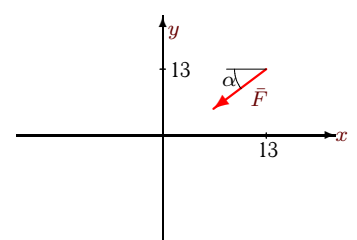
8



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

Задача 23.12.

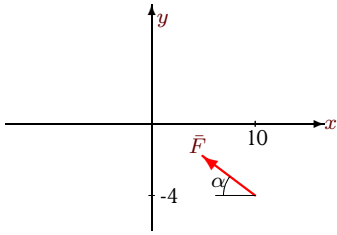
8



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

Задача 23.13.

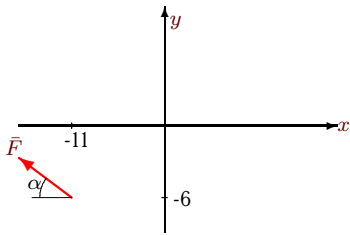
8



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

Задача 23.16.

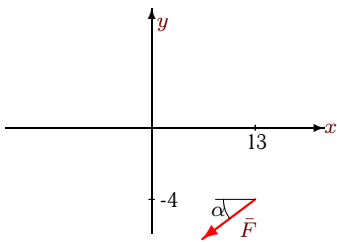
8



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

Задача 23.19.

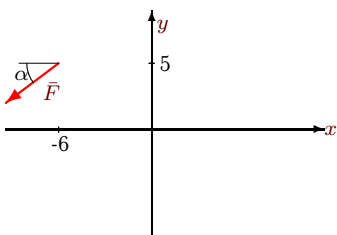
8



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

Задача 23.22.

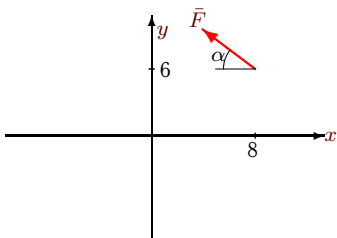
8



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

Задача 23.25.

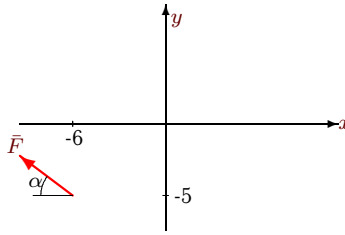
8



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

Задача 23.14.

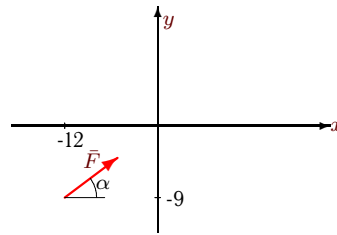
8



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

Задача 23.17.

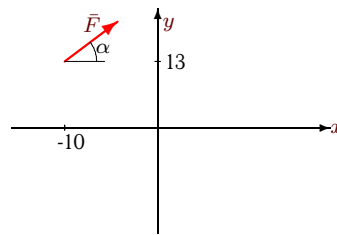
8



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

Задача 23.20.

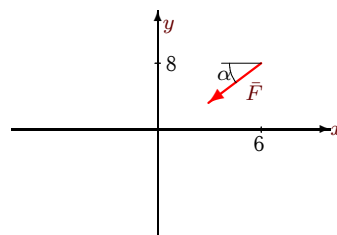
8



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

Задача 23.23.

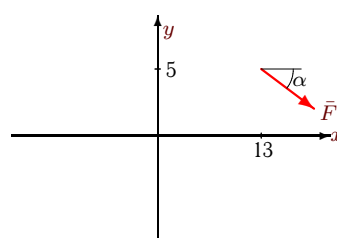
8



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

Задача 23.26.

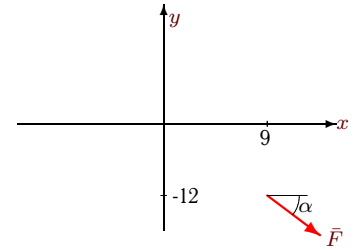
8



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

Задача 23.15.

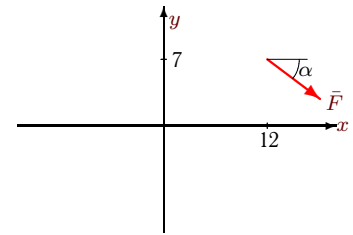
8



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

Задача 23.18.

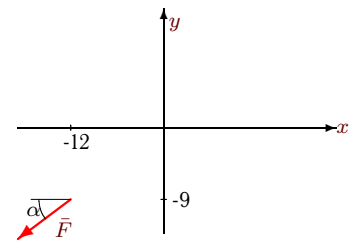
8



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

Задача 23.21.

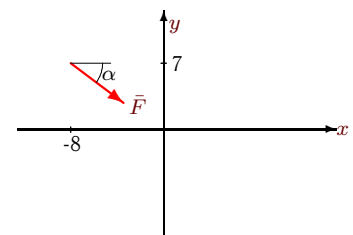
8



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

Задача 23.24.

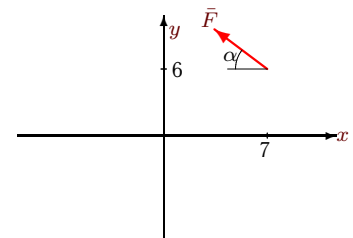
8



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

Задача 23.27.

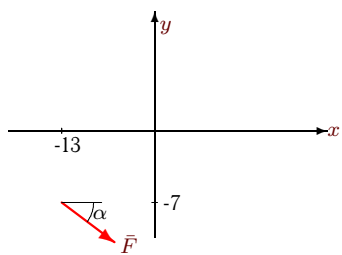
8



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

Задача 23.28.

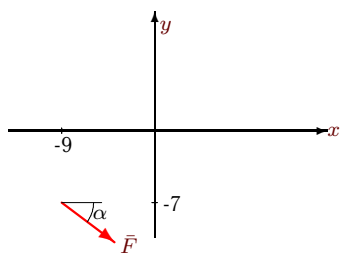
8



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

Задача 23.31.

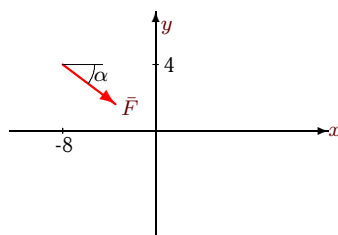
8



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

Задача 23.29.

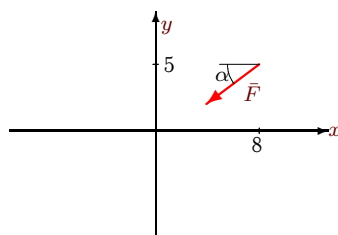
8



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

Задача 23.32.

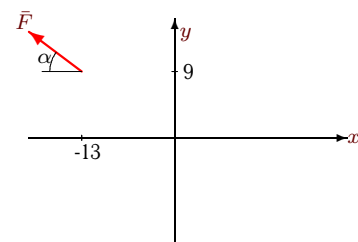
8



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

Задача 23.30.

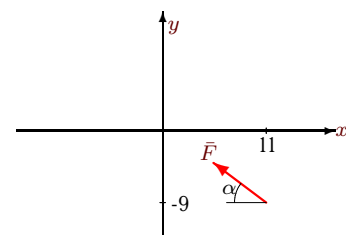
8



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

Задача 23.33.

8



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

Момент силы относительно точки

| № | $M(F_x)$ | $M(F_y)$ | $M(F)$ |
|----|----------|----------|--------|
| 1 | -28 | -15 | -43 |
| 2 | 96 | 96 | 192 |
| 3 | -64 | -156 | -220 |
| 4 | 176 | -156 | 20 |
| 5 | 21 | 20 | 41 |
| 6 | -72 | -72 | -144 |
| 7 | 72 | -112 | -40 |
| 8 | 78 | -48 | 30 |
| 9 | -80 | -66 | -146 |
| 10 | -64 | -36 | -100 |
| 11 | 108 | 108 | 216 |
| 12 | 52 | -39 | 13 |
| 13 | -64 | 120 | 56 |
| 14 | -20 | -18 | -38 |
| 15 | 96 | -54 | 42 |
| 16 | -36 | -88 | -124 |
| 17 | 108 | -108 | -0 |
| 18 | -28 | -36 | -64 |
| 19 | -36 | -156 | -192 |
| 20 | -39 | -40 | -79 |
| 21 | -108 | 192 | 84 |
| 22 | 60 | 54 | 114 |
| 23 | 96 | -96 | 0 |
| 24 | -21 | 32 | 11 |
| 25 | 72 | 72 | 144 |
| 26 | -15 | -52 | -67 |
| 27 | 36 | 56 | 92 |
| 28 | 56 | 78 | 134 |
| 29 | -24 | 64 | 40 |
| 30 | 36 | -39 | -3 |
| 31 | 28 | 27 | 55 |
| 32 | 60 | -128 | -68 |
| 33 | -54 | 88 | 34 |