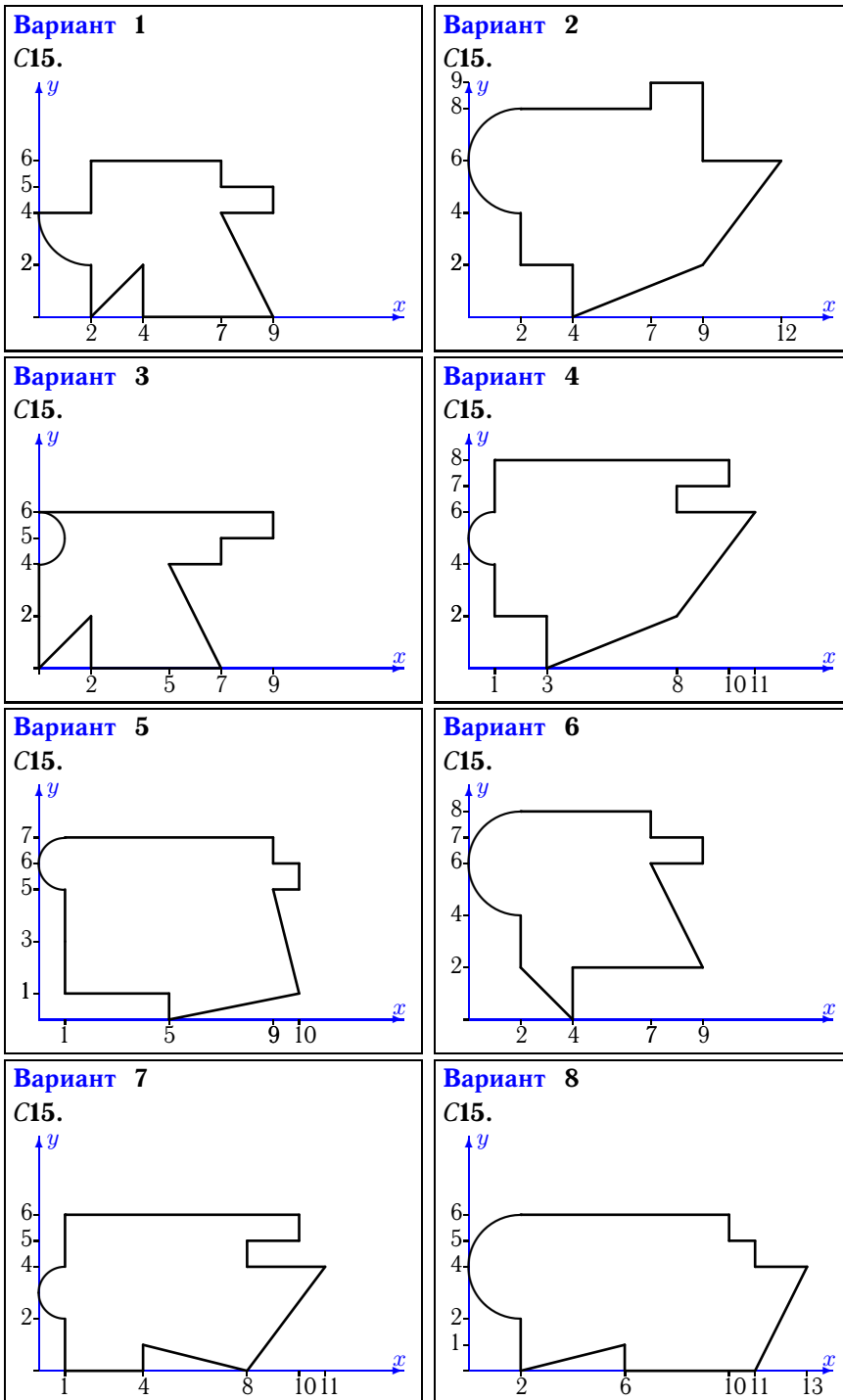
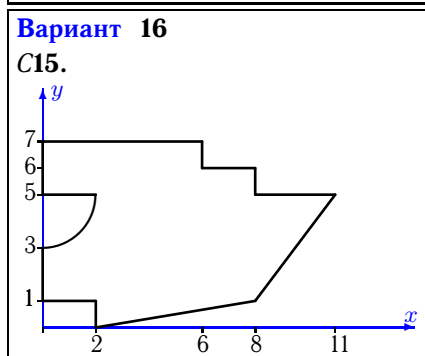
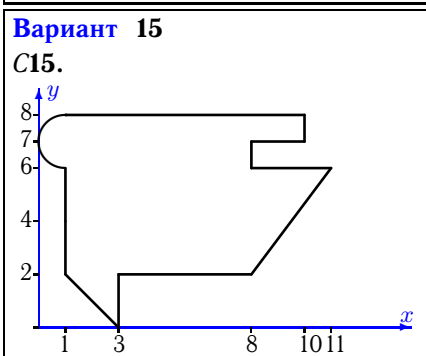
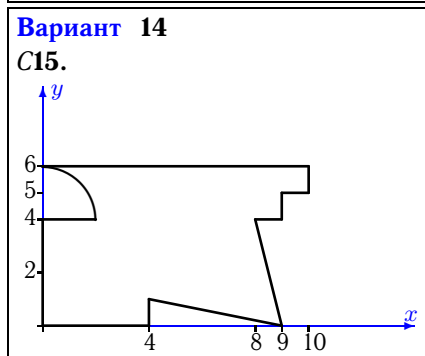
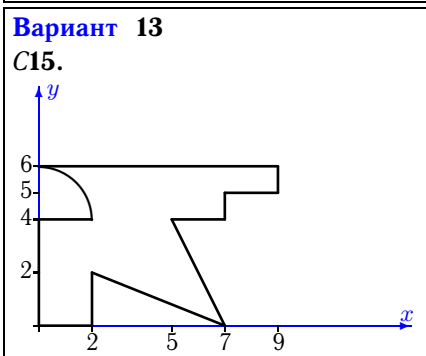
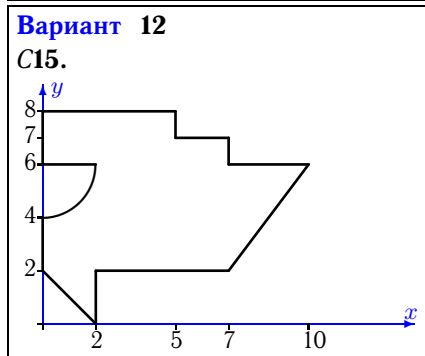
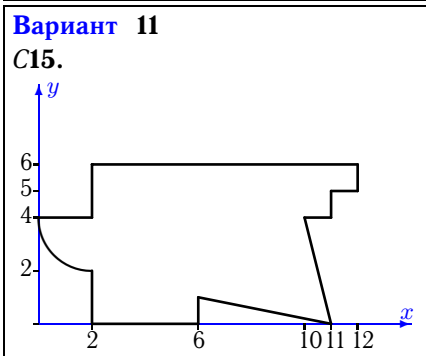
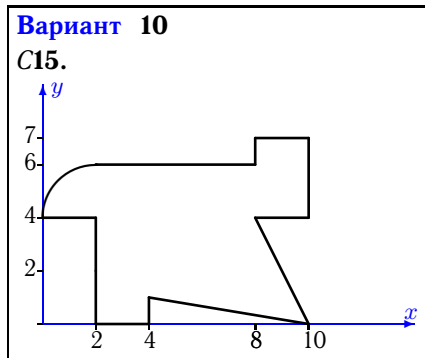
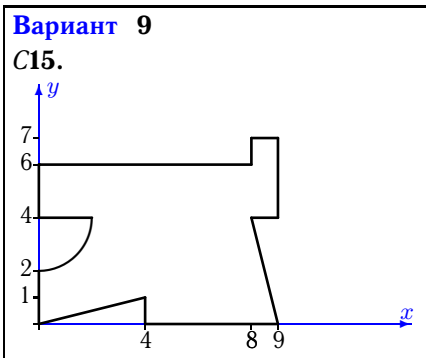


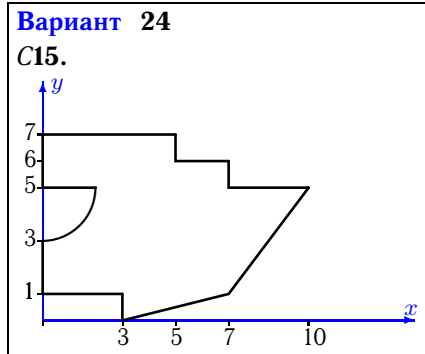
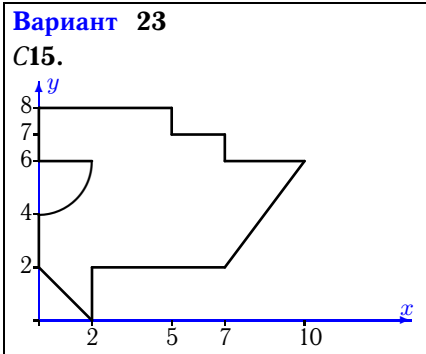
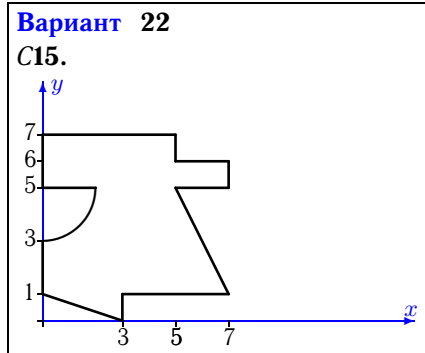
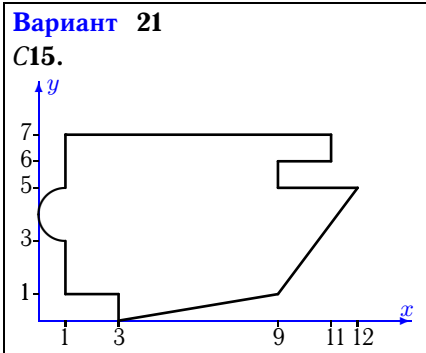
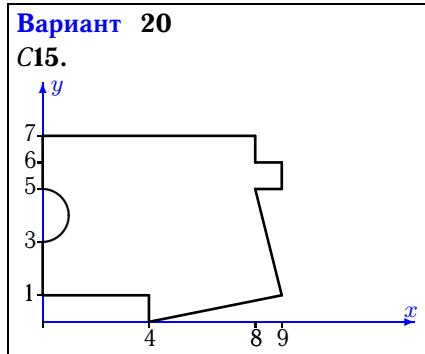
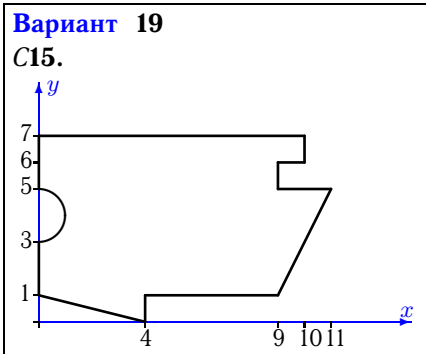
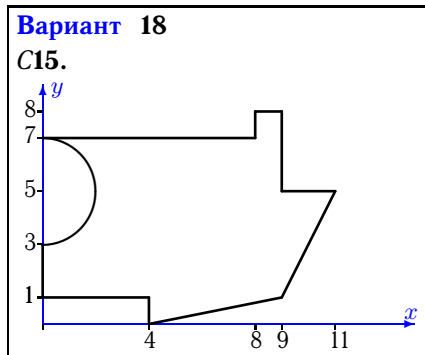
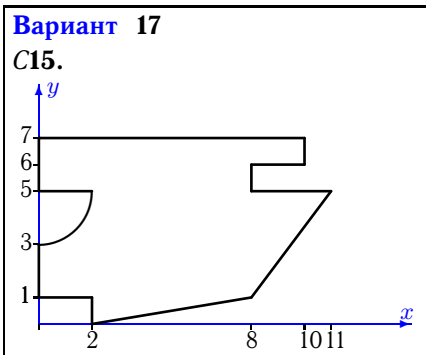
## Центр тяжести плоской фигуры

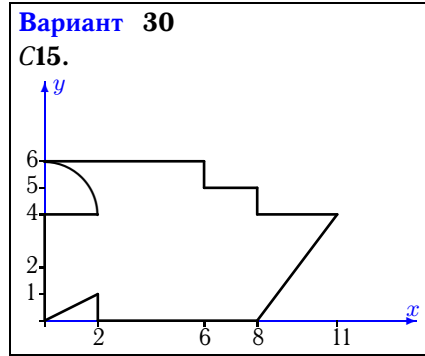
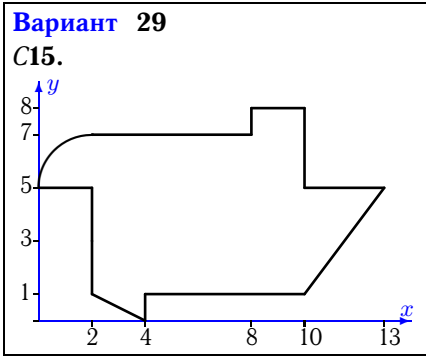
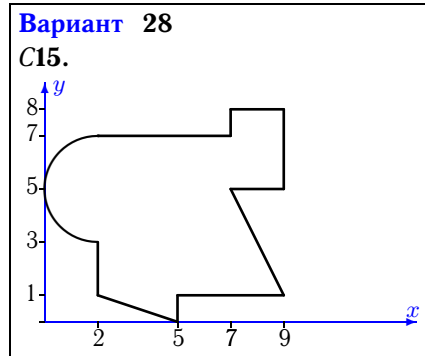
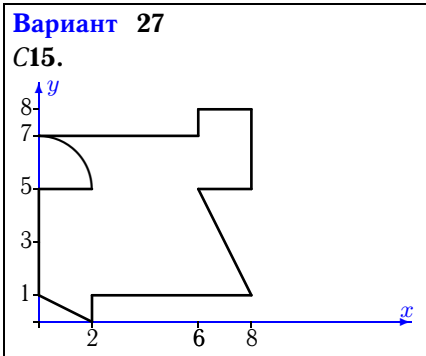
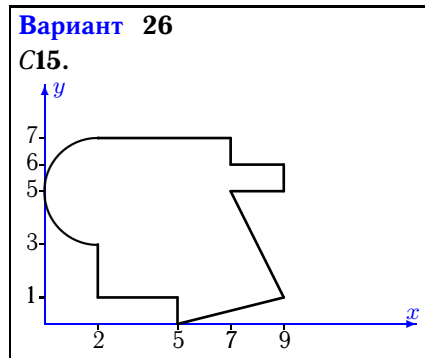
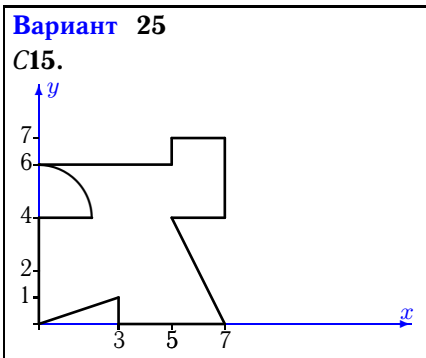
Найти площадь (в  $\text{м}^2$ ) и координаты центра тяжести плоской фигуры (в м). Отметки на осях даны в метрах. Криволинейный участок контура является дугой половины или четверти окружности.

*Кирсанов М.Н. Решебник. Теоретическая механика с. 118.*









Ответы

	$A$	$x_c$	$y_c$
1	37.142	4.809	3.040
2	61.283	5.590	4.885
3	36.429	3.688	3.216
4	56.571	5.042	4.729
5	55.071	5.189	3.872
6	44.283	4.416	4.893
7	49.571	5.068	3.168
8	61.283	6.283	3.127
9	47.858	4.726	3.189
10	46.142	5.511	3.480
11	53.642	6.070	3.192
12	44.858	4.080	4.670
13	31.858	3.662	3.383
14	47.358	4.610	3.085
15	53.571	4.976	4.978
16	51.858	4.654	3.663
17	55.858	4.893	3.866
18	55.217	5.415	3.775
19	59.429	4.978	3.907
20	51.929	4.442	3.804
21	60.571	5.546	3.884
22	34.358	3.202	3.734
23	44.858	4.080	4.670
24	44.858	4.213	3.685
25	35.358	3.620	3.185
26	44.283	4.552	3.909
27	43.858	3.998	3.982
28	47.783	4.749	4.201
29	60.142	6.301	4.124
30	47.858	4.764	2.788