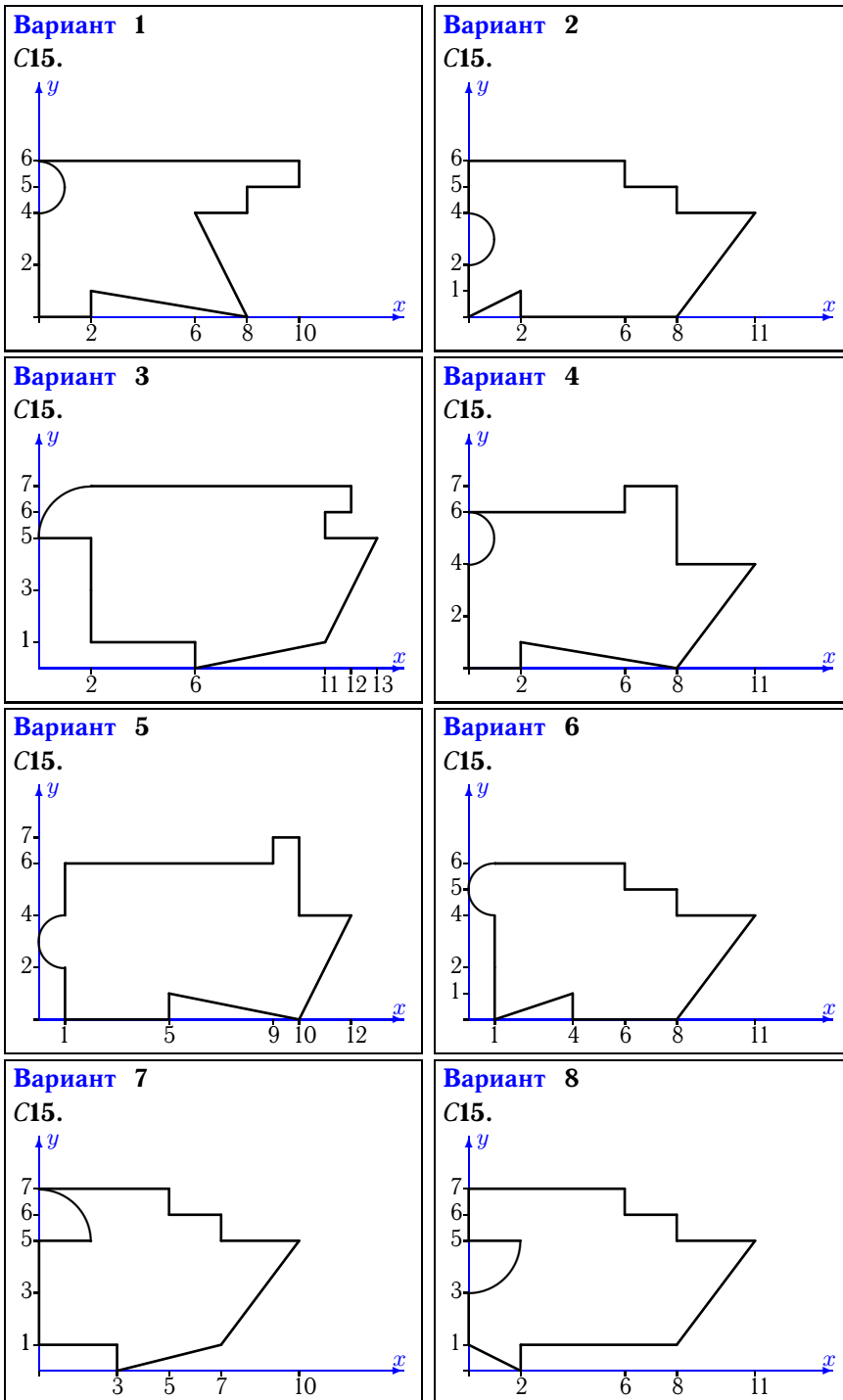
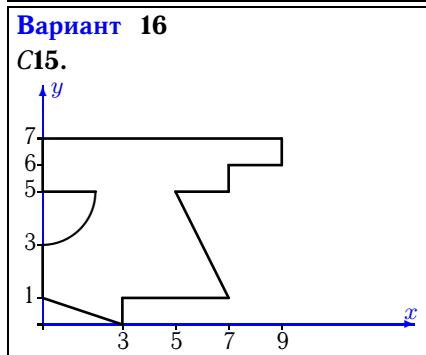
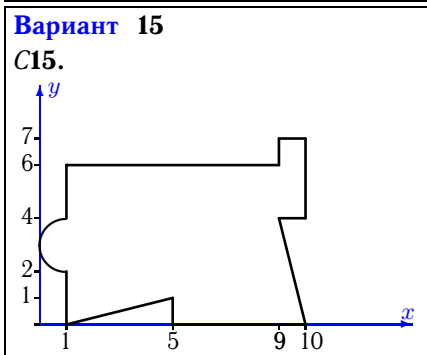
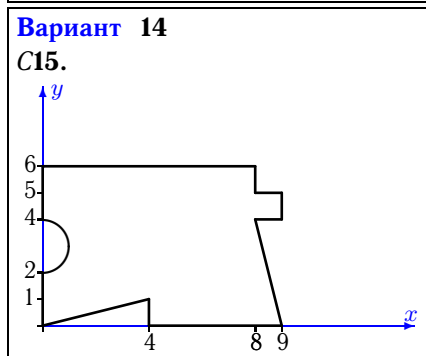
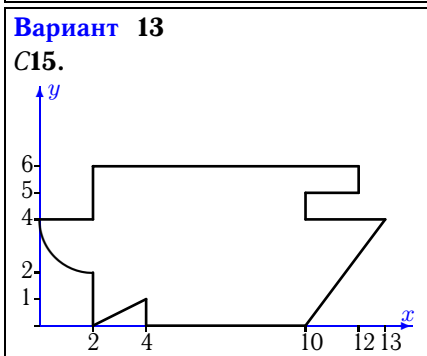
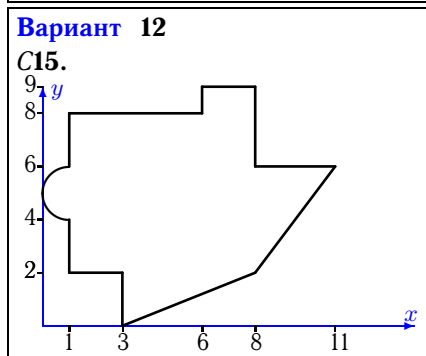
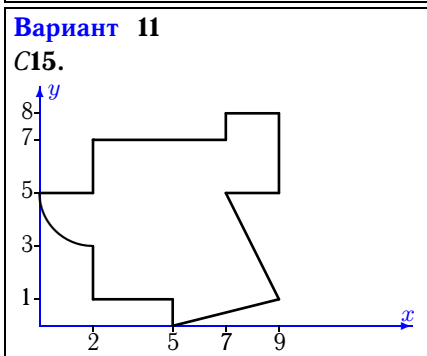
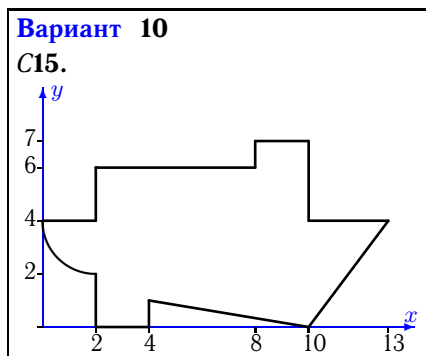
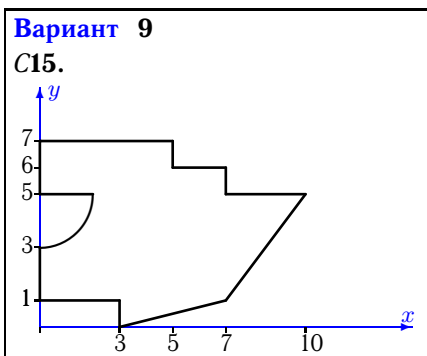


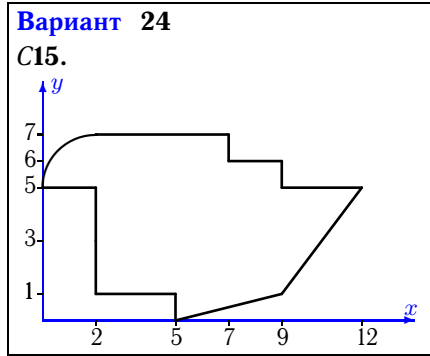
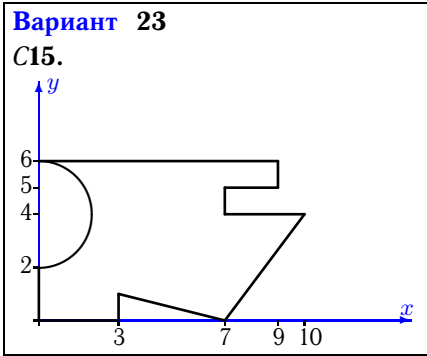
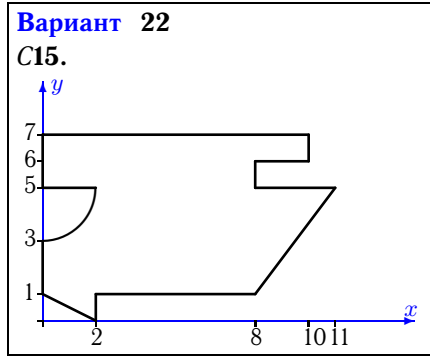
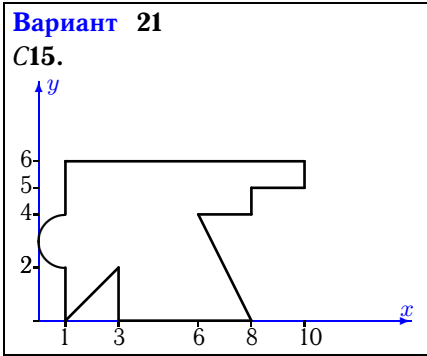
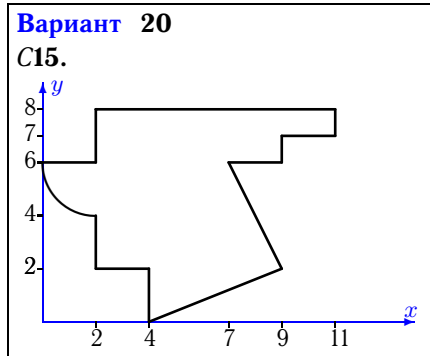
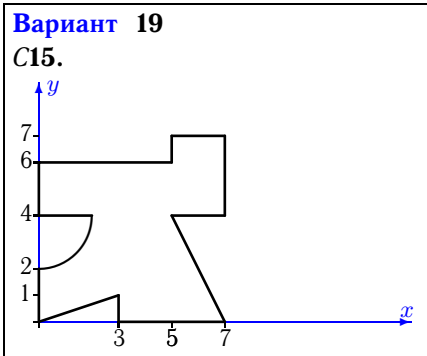
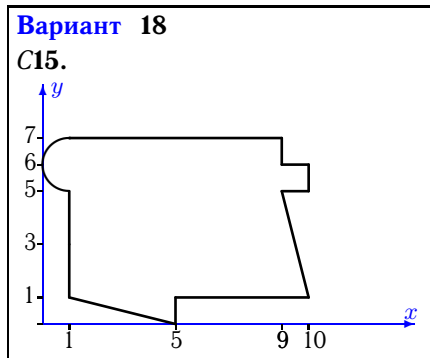
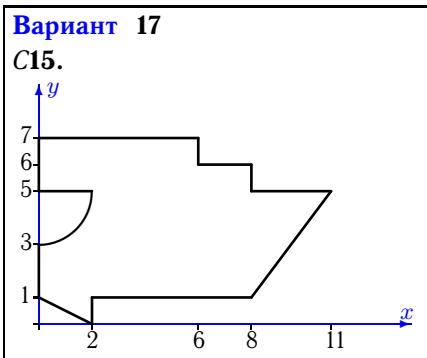
## Центр тяжести плоской фигуры

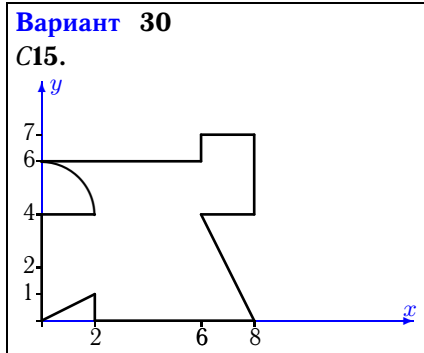
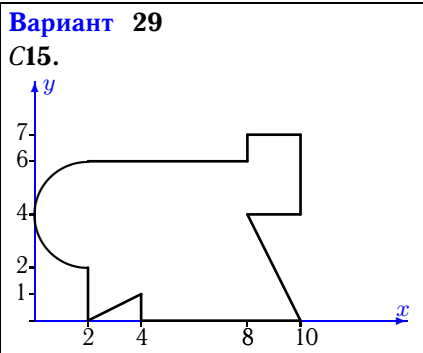
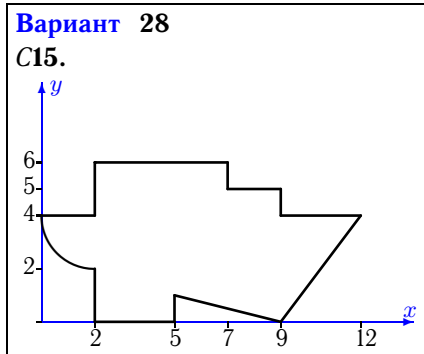
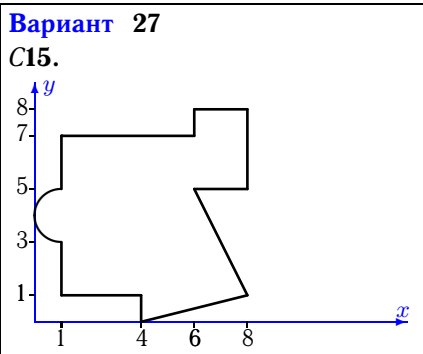
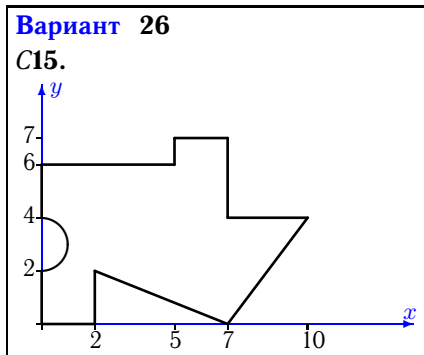
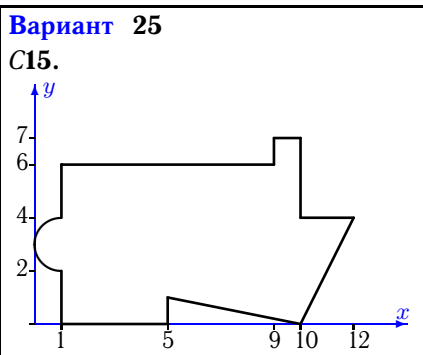
Найти площадь (в  $\text{м}^2$ ) и координаты центра тяжести плоской фигуры (в м). Отметки на осях даны в метрах. Криволинейный участок контура является дугой половины или четверти окружности.

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









Ответы

	$A$	$x_c$	$y_c$
1	41.429	4.055	3.270
2	49.429	4.653	2.912
3	64.642	6.682	3.979
4	51.429	4.809	3.192
5	58.071	5.741	3.152
6	46.071	4.893	3.003
7	44.858	4.213	3.566
8	49.858	4.626	3.783
9	44.858	4.213	3.685
10	56.142	6.370	3.240
11	45.142	5.094	4.047
12	56.571	4.971	4.764
13	58.142	6.472	3.106
14	47.429	4.452	3.074
15	52.571	5.340	3.181
16	38.358	3.598	4.022
17	49.858	4.626	3.783
18	54.571	5.065	3.902
19	35.358	3.620	3.335
20	48.142	5.185	4.761
21	39.571	4.395	3.278
22	53.858	4.877	3.985
23	41.717	4.722	3.049
24	51.142	5.696	3.846
25	58.071	5.741	3.152
26	43.429	4.329	3.384
27	43.571	4.251	4.038
28	47.142	5.642	2.975
29	51.283	5.315	3.337
30	41.858	4.125	3.124