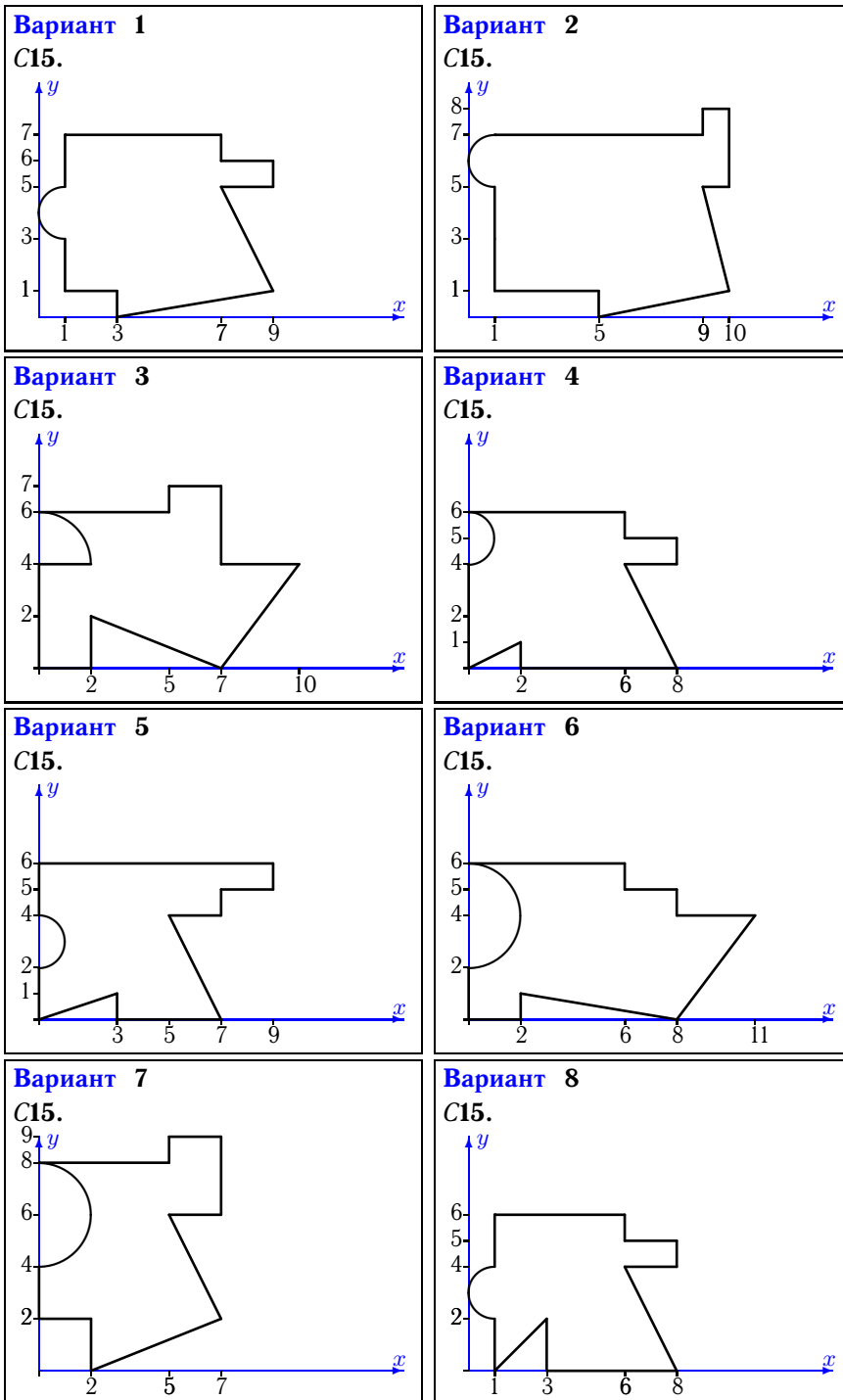
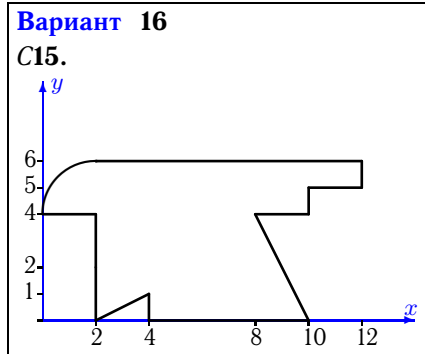
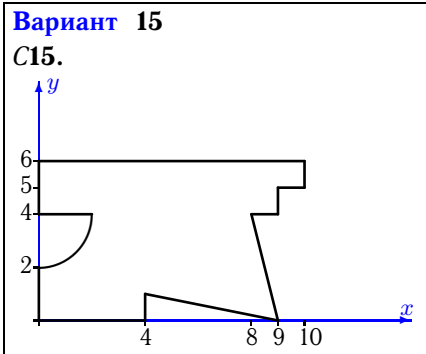
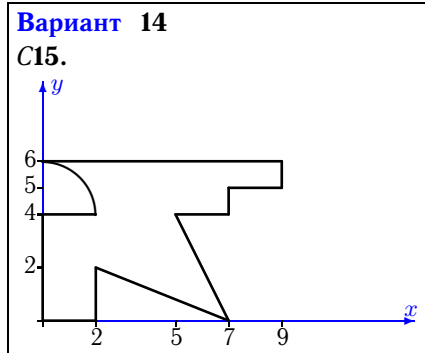
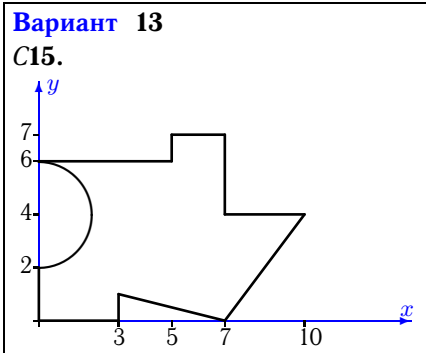
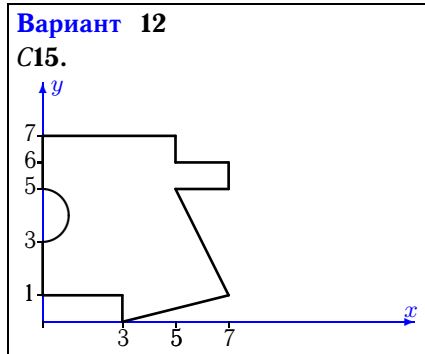
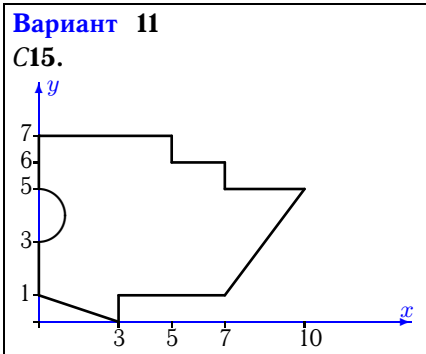
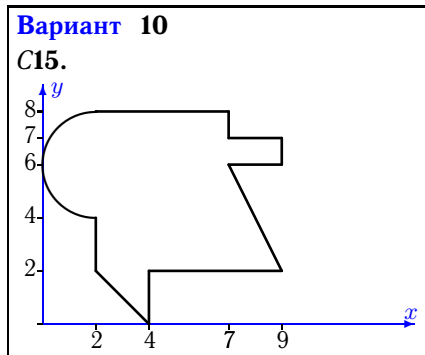
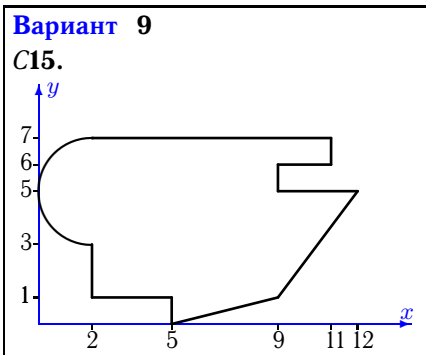


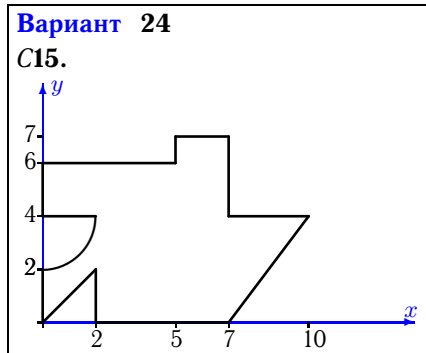
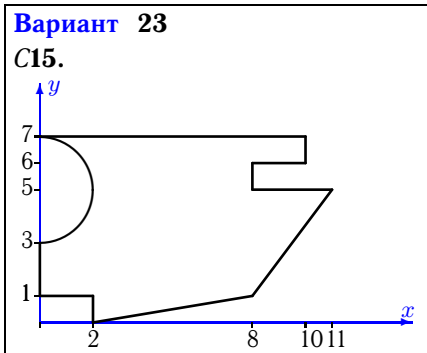
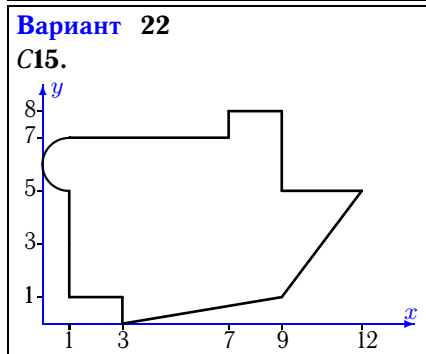
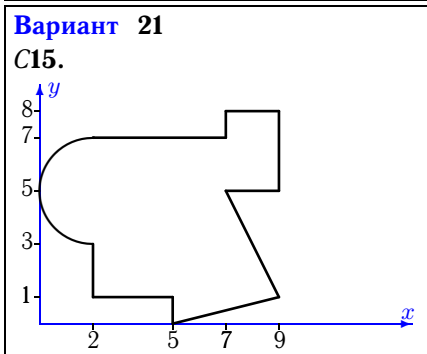
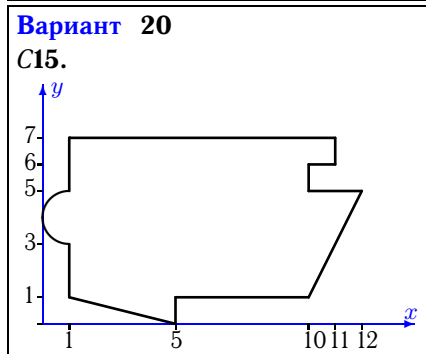
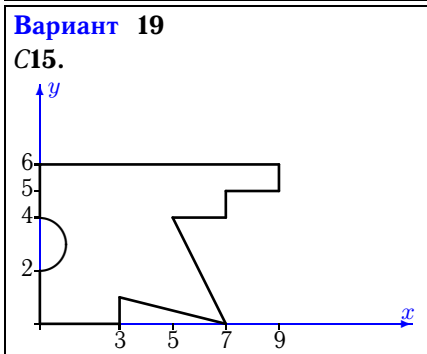
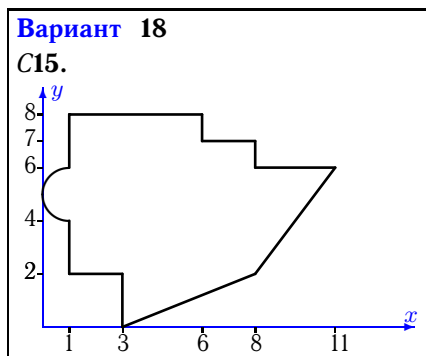
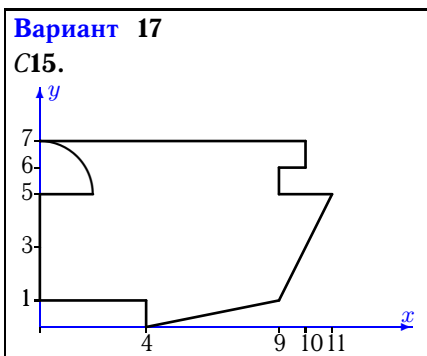
## Центр тяжести плоской фигуры

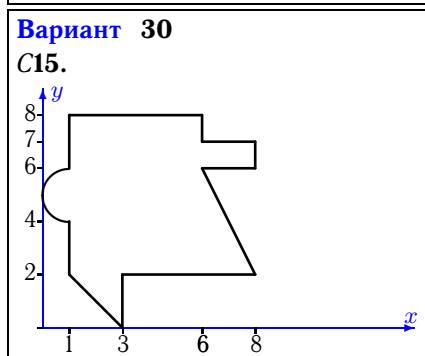
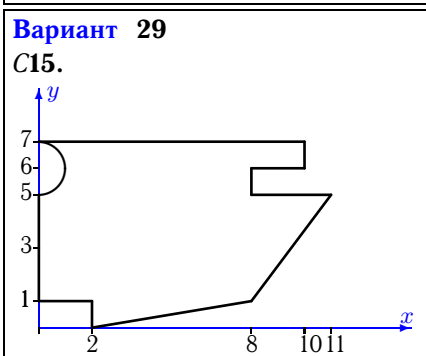
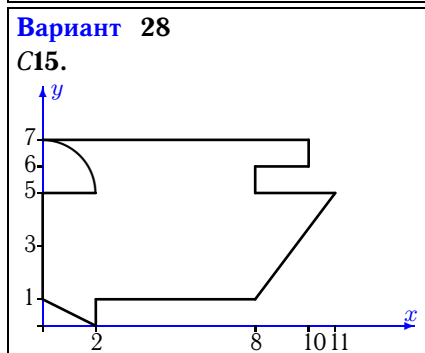
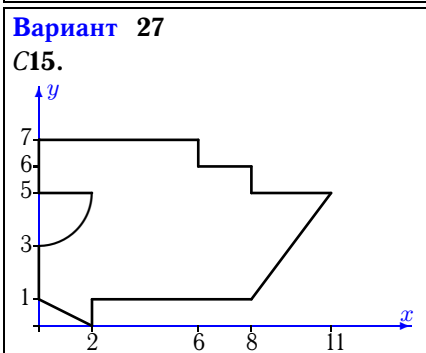
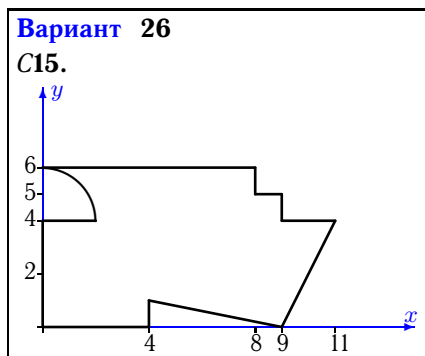
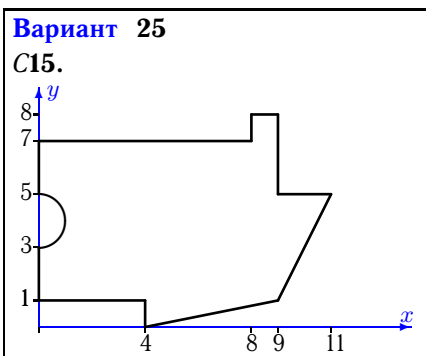
Найти площадь (в  $\text{м}^2$ ) и координаты центра тяжести плоской фигуры (в м). Отметки на осях даны в метрах. Криволинейный участок контура является дугой половины или четверти окружности.

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









Ответы

	$A$	$x_c$	$y_c$
1	46.571	4.436	3.707
2	57.071	5.340	3.982
3	41.858	4.444	3.259
4	39.429	3.720	2.895
5	36.929	3.629	3.280
6	42.717	5.025	2.876
7	38.717	3.788	4.579
8	35.571	3.989	3.028
9	58.283	5.677	4.045
10	44.283	4.416	4.893
11	45.929	4.035	3.739
12	36.429	3.230	3.716
13	41.717	4.626	3.097
14	31.858	3.662	3.383
15	47.358	4.610	3.198
16	48.142	5.670	3.308
17	58.358	5.186	3.778
18	52.571	4.817	4.518
19	36.429	3.523	3.320
20	62.571	5.728	3.912
21	48.283	4.837	4.165
22	60.571	5.480	3.969
23	52.717	5.134	3.748
24	44.858	4.496	3.205
25	59.929	5.067	3.897
26	51.358	4.991	2.942
27	49.858	4.626	3.783
28	53.858	4.877	3.886
29	57.429	4.794	3.823
30	39.571	3.822	4.722