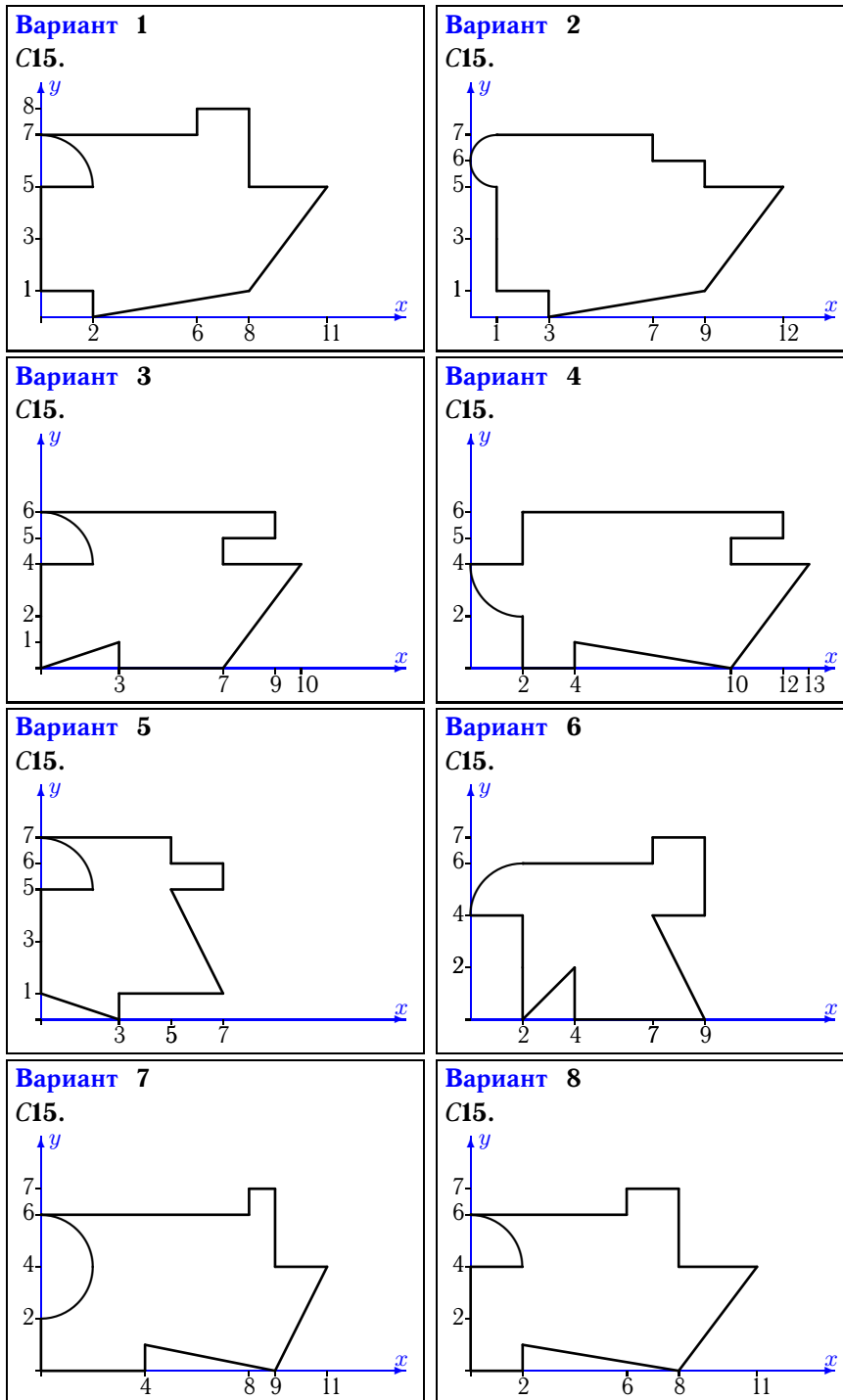
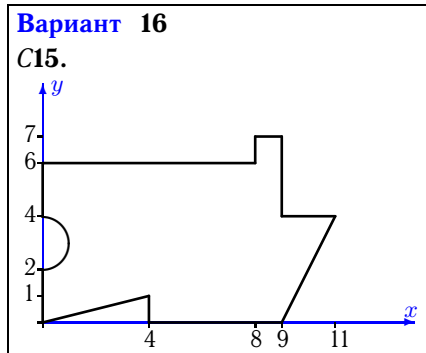
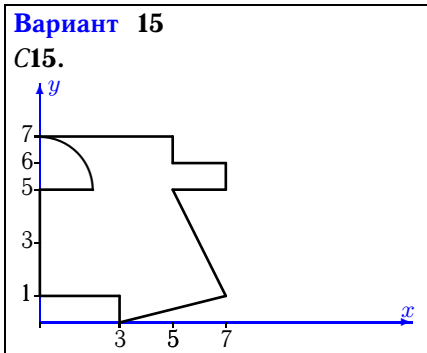
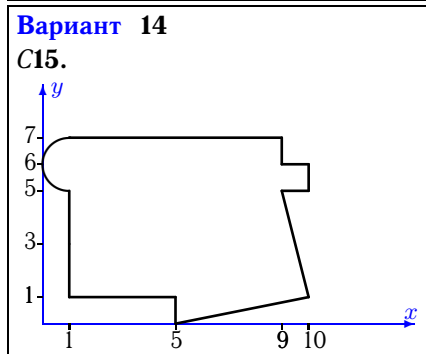
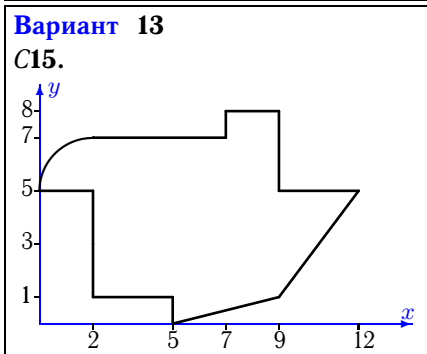
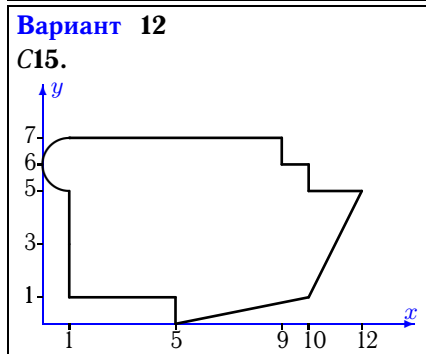
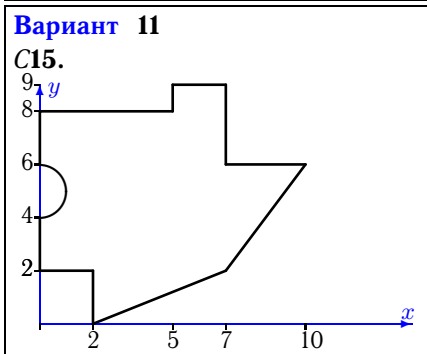
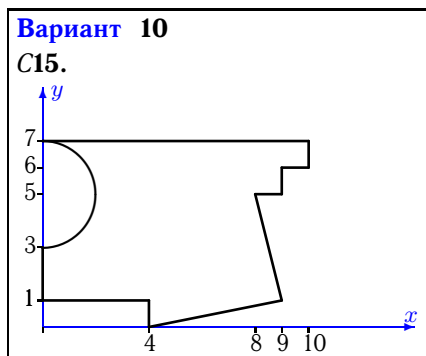
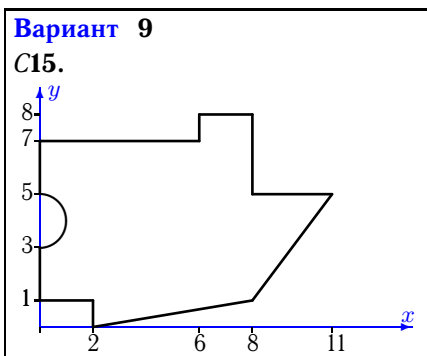


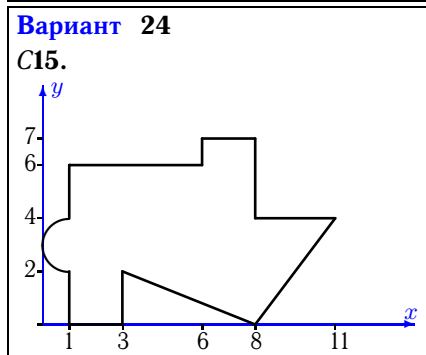
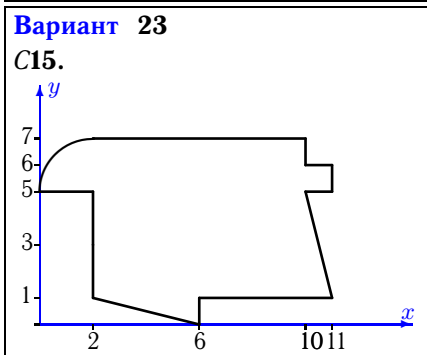
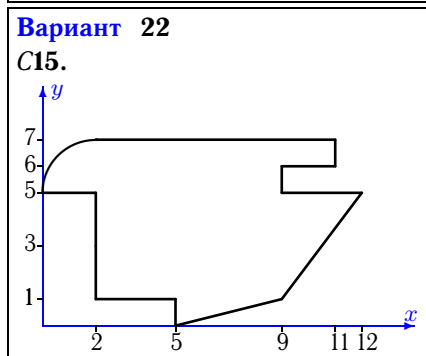
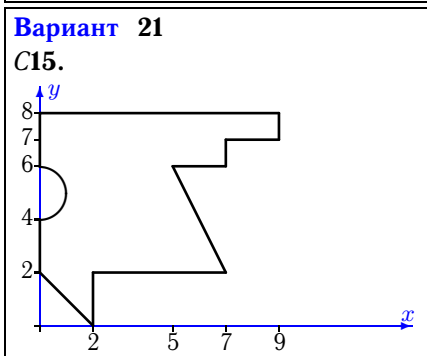
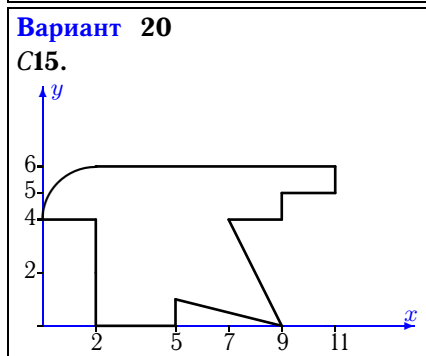
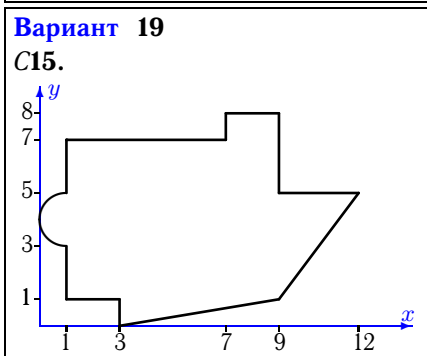
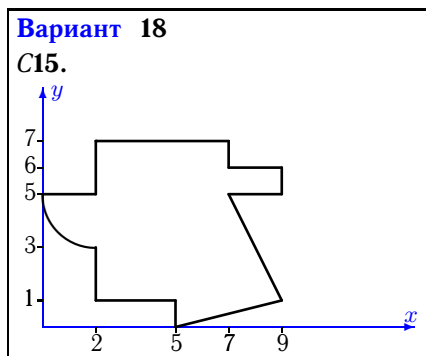
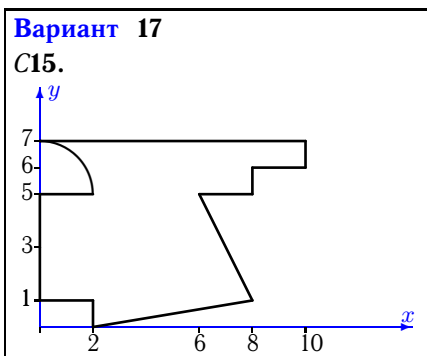
## Центр тяжести плоской фигуры

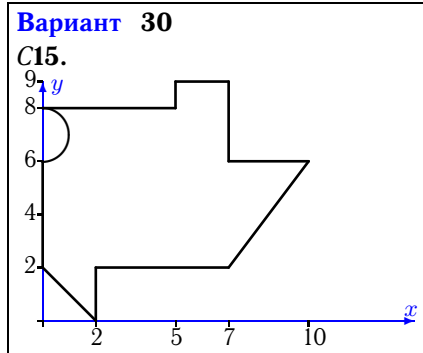
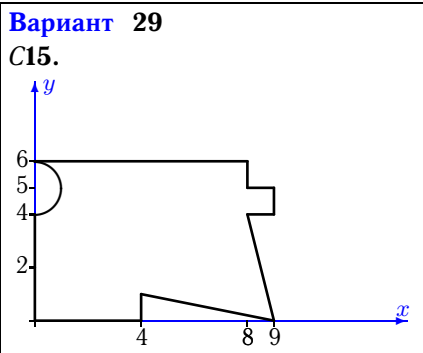
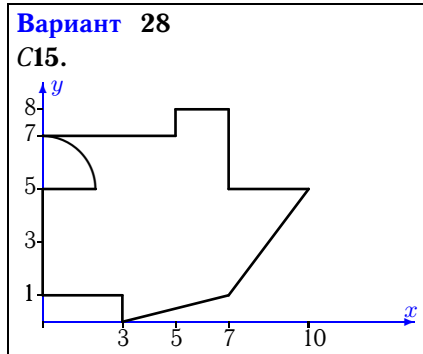
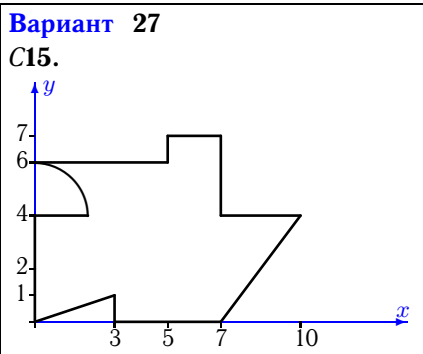
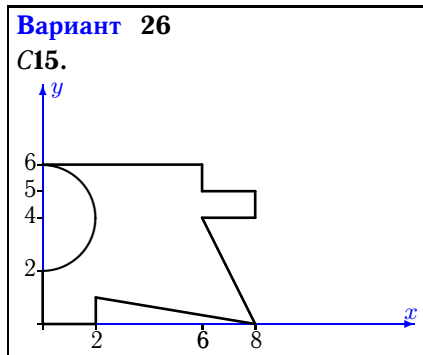
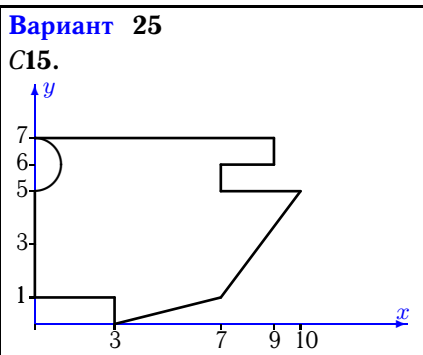
Найти площадь (в  $\text{м}^2$ ) и координаты центра тяжести плоской фигуры (в  $\text{м}$ ). Отметки на осях даны в метрах. Криволинейный участок контура является дугой половины или четверти окружности.

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









Ответы

	$A$	$x_c$	$y_c$
1	55.858	4.822	3.807
2	56.571	5.301	3.755
3	45.358	4.527	3.026
4	56.142	6.441	3.204
5	34.358	3.202	3.579
6	41.142	5.119	3.457
7	50.217	5.390	3.051
8	49.858	4.921	3.144
9	57.429	4.725	3.913
10	49.217	4.958	3.767
11	53.429	4.205	4.750
12	61.071	5.694	3.852
13	55.142	5.863	4.075
14	55.071	5.189	3.872
15	34.858	3.318	3.537
16	55.429	5.127	3.135
17	45.858	4.143	3.793
18	41.142	4.811	3.760
19	60.571	5.480	3.917
20	41.142	5.071	3.425
21	40.429	3.455	4.975
22	55.142	5.935	4.039
23	56.142	5.916	3.952
24	46.571	5.037	3.358
25	50.429	4.343	3.865
26	32.717	4.014	2.940
27	45.358	4.439	3.070
28	48.858	4.360	3.847
29	46.929	4.311	3.036
30	50.429	4.144	4.891