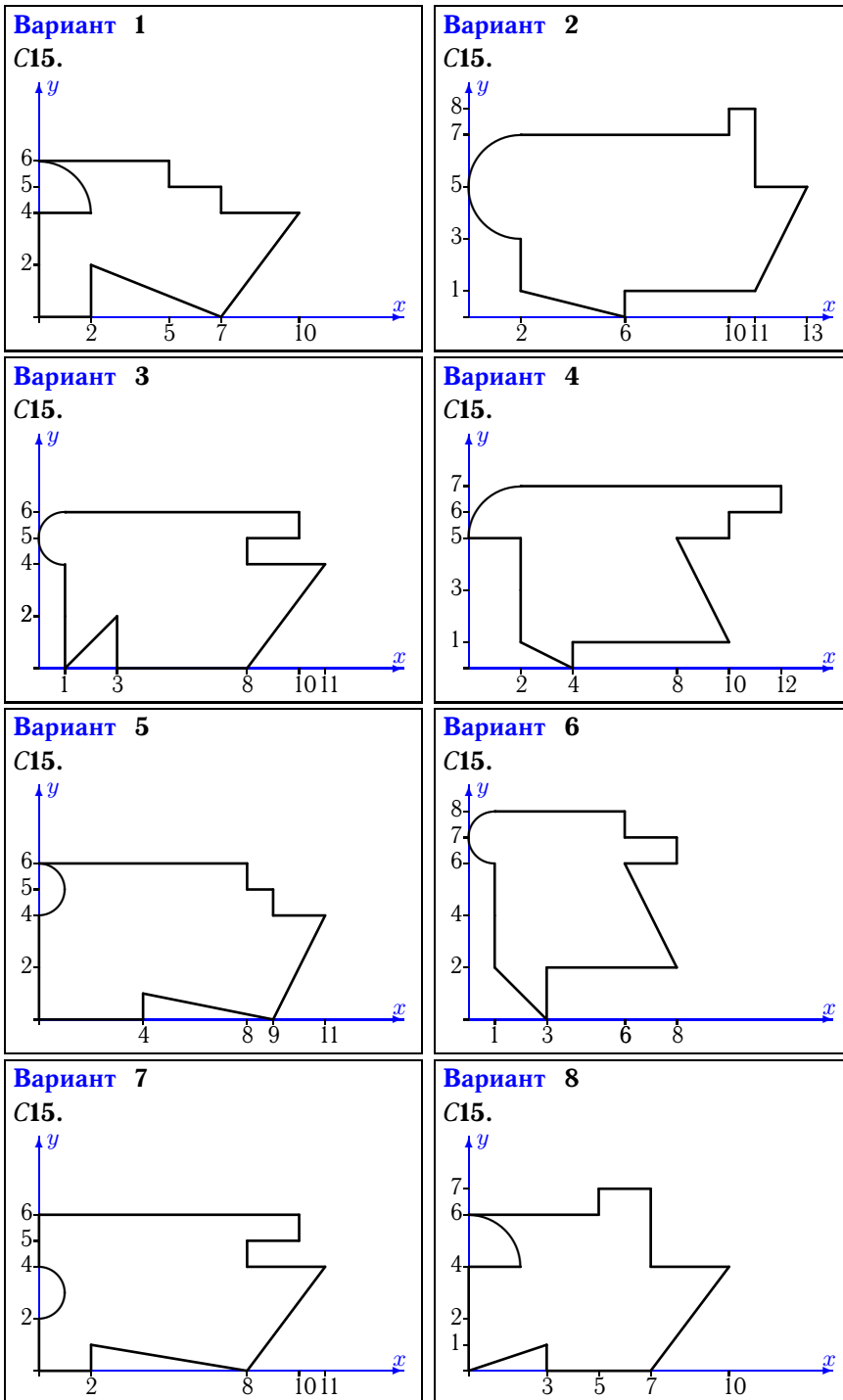
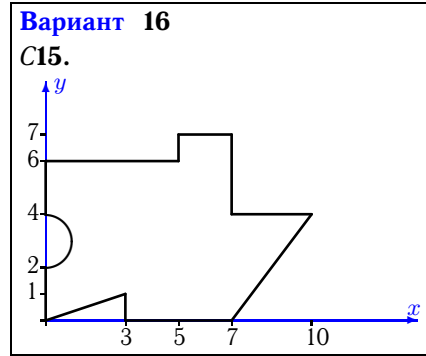
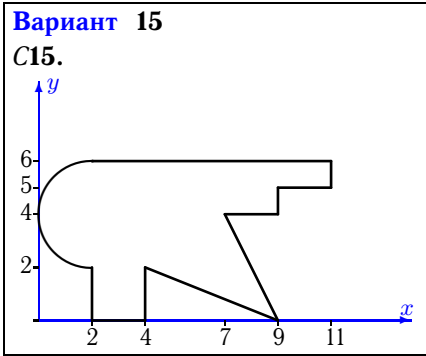
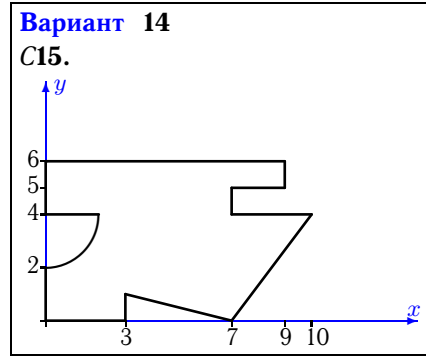
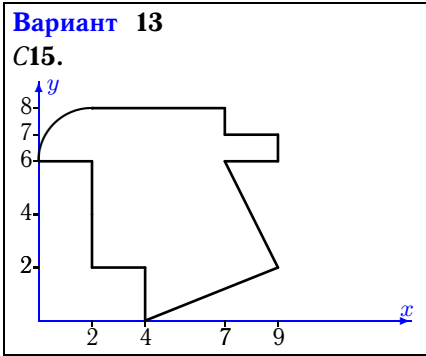
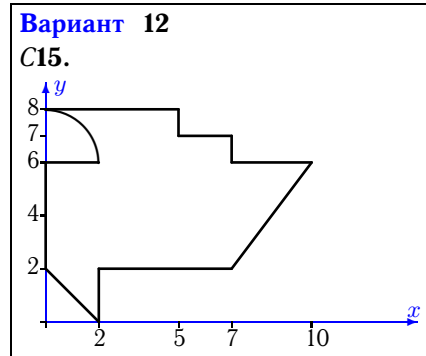
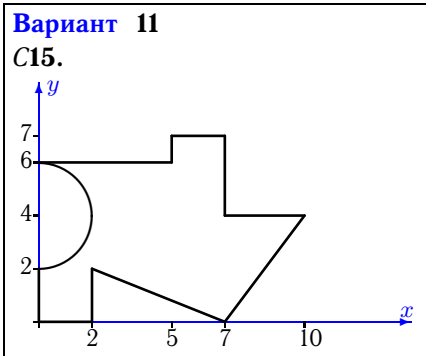
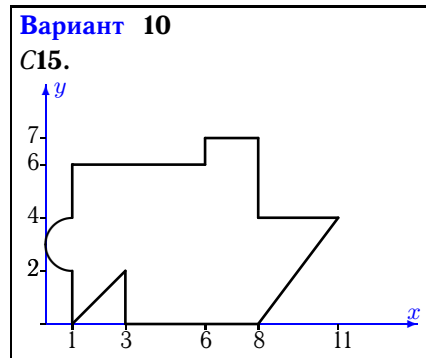
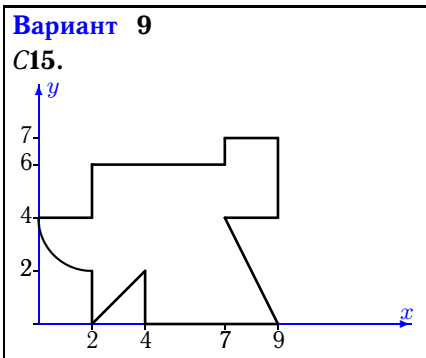


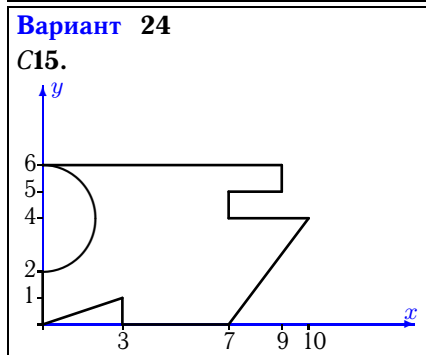
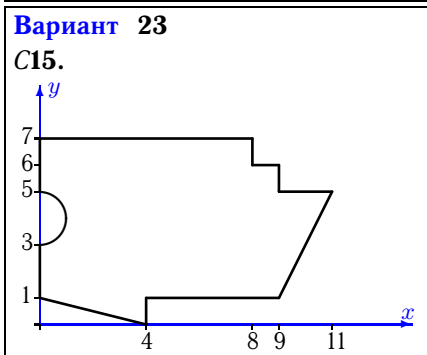
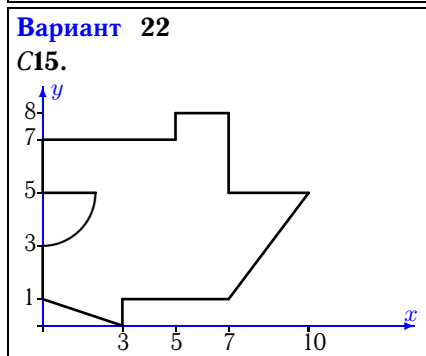
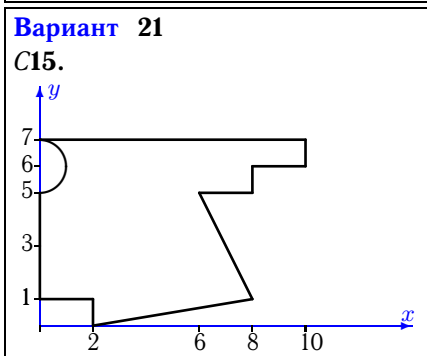
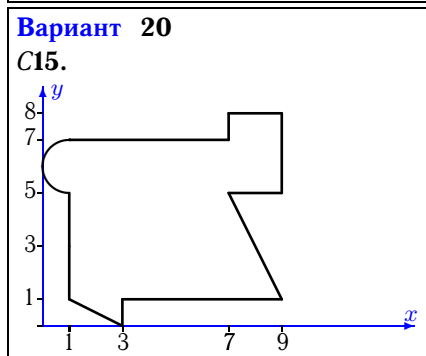
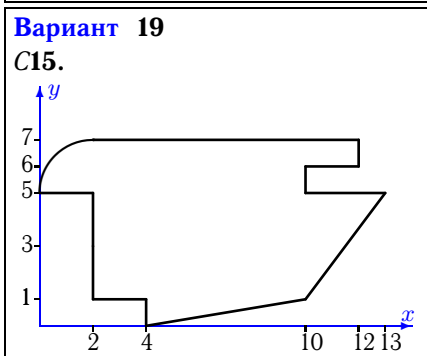
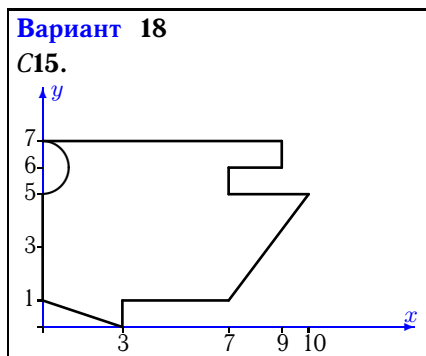
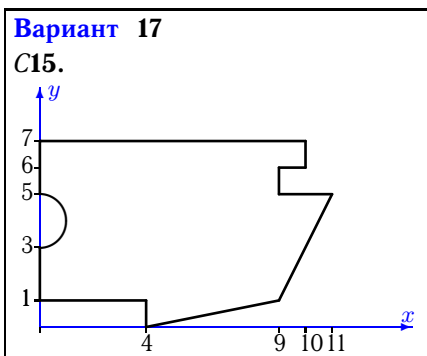
## Центр тяжести плоской фигуры

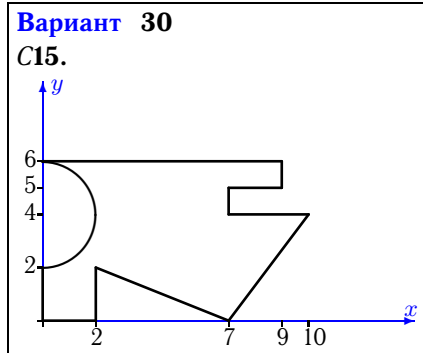
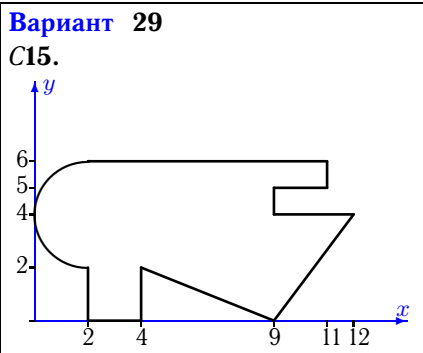
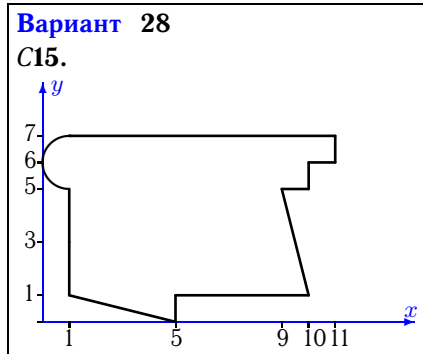
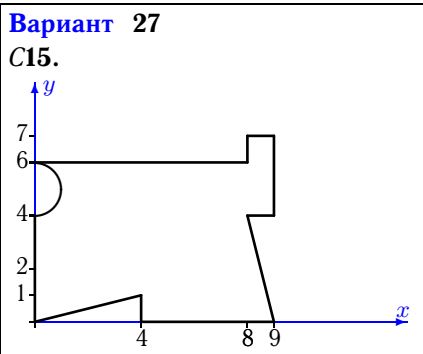
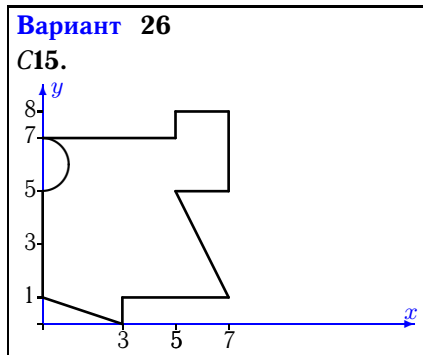
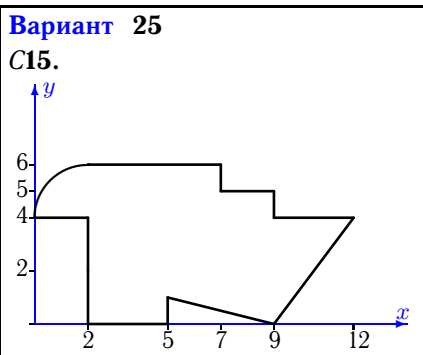
Найти площадь (в  $\text{м}^2$ ) и координаты центра тяжести плоской фигуры (в м). Отметки на осях даны в метрах. Криволинейный участок контура является дугой половины или четверти окружности.

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









Ответы

	$A$	$x_c$	$y_c$
1	37.858	4.279	2.970
2	67.283	6.313	4.027
3	49.571	5.189	3.218
4	50.142	5.577	4.176
5	52.929	4.881	2.994
6	39.571	3.822	4.801
7	51.429	4.887	3.214
8	45.358	4.439	3.070
9	41.142	5.119	3.328
10	49.571	5.109	3.195
11	38.717	4.735	3.268
12	44.858	4.080	4.551
13	44.142	4.839	4.633
14	44.858	4.451	3.175
15	41.283	4.761	3.588
16	46.929	4.333	3.192
17	59.929	5.084	3.880
18	49.929	4.273	3.897
19	62.142	6.399	3.981
20	48.571	4.651	4.168
21	47.429	4.048	3.856
22	48.358	4.287	3.990
23	57.429	4.838	3.817
24	42.217	4.801	3.017
25	47.142	5.642	3.088
26	39.929	3.406	4.005
27	49.429	4.616	3.129
28	56.571	5.240	3.994
29	51.283	5.653	3.409
30	38.717	4.839	3.217