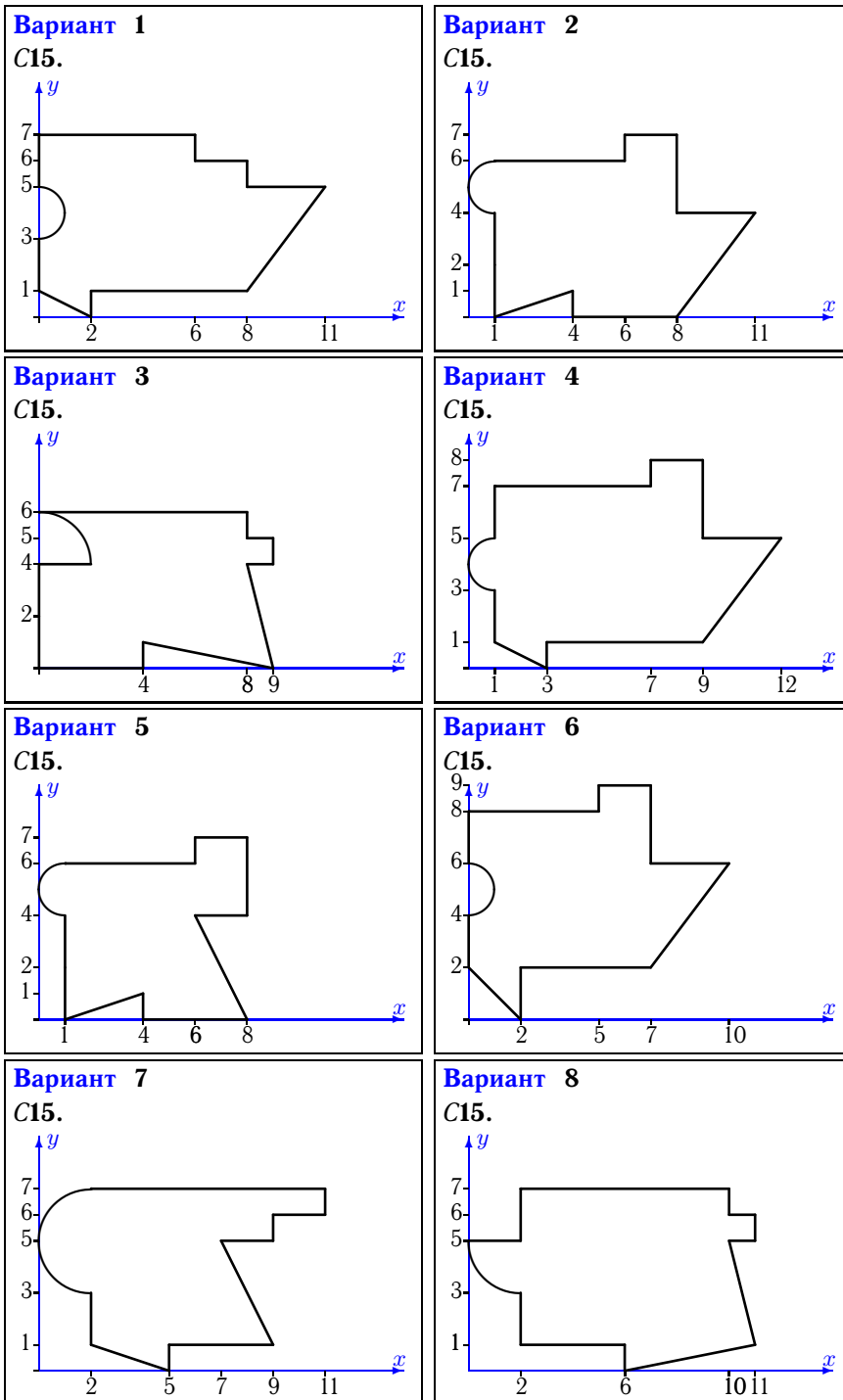
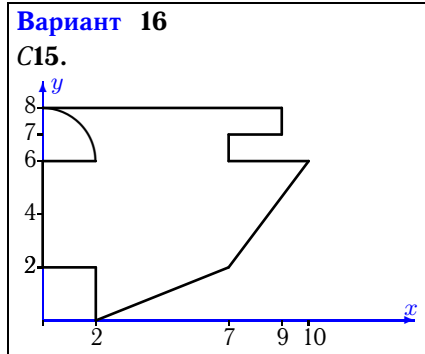
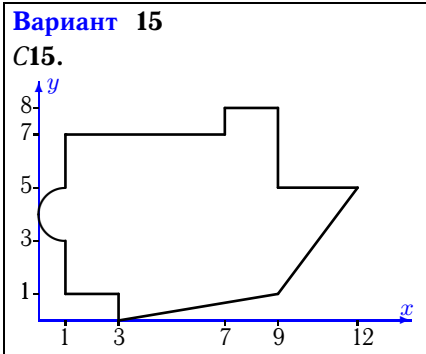
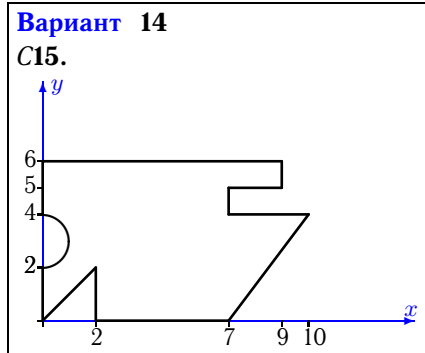
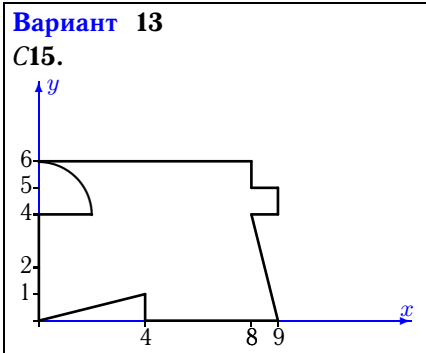
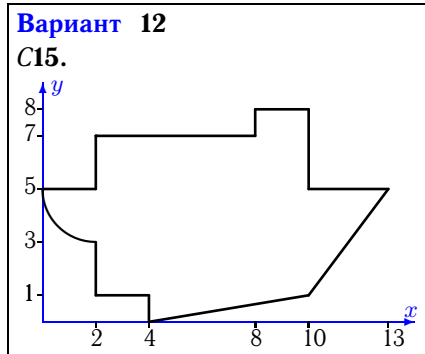
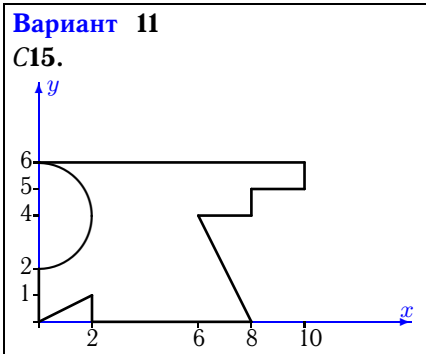
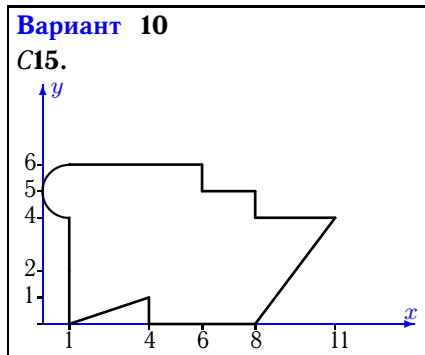
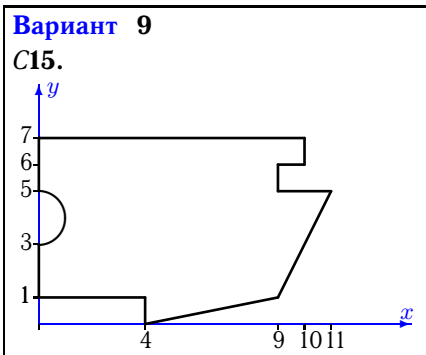


## Центр тяжести плоской фигуры

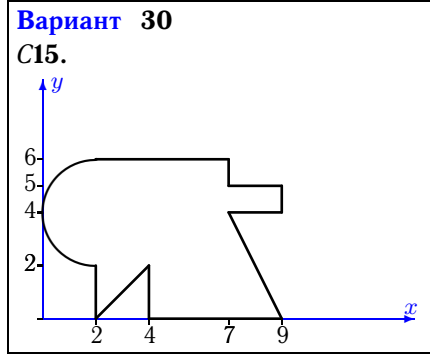
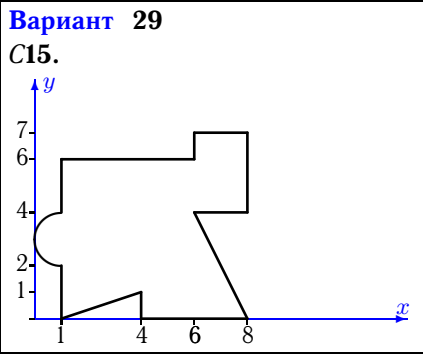
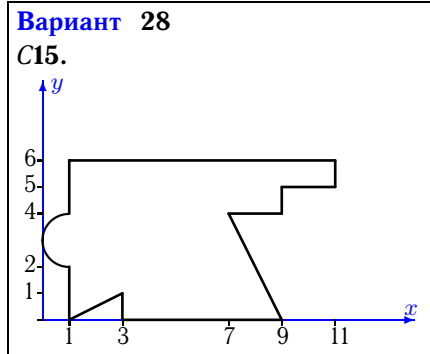
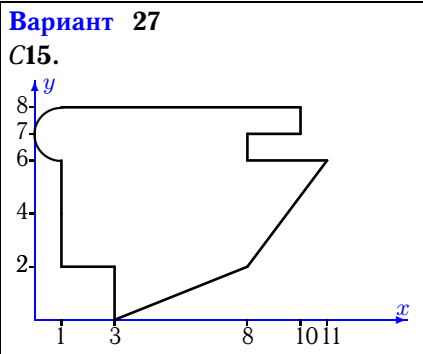
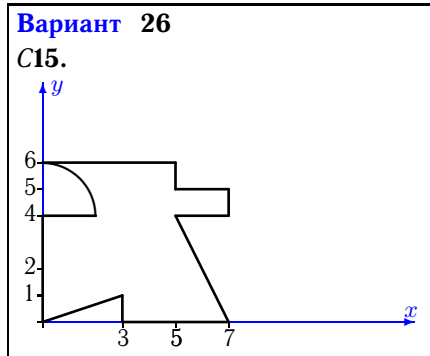
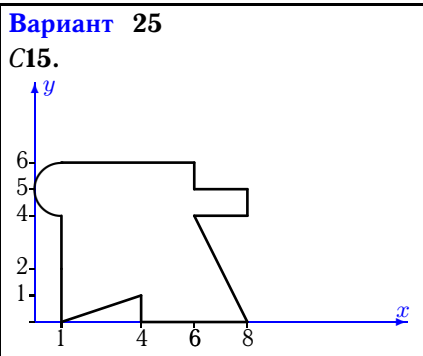
Найти площадь (в м<sup>2</sup>) и координаты центра тяжести плоской фигуры (в м). Отметки на осях даны в метрах. Криволинейный участок контура является дугой половины или четверти окружности.

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









Ответы

	$A$	$x_c$	$y_c$
1	51.429	4.524	3.799
2	50.071	5.061	3.242
3	45.358	4.417	2.979
4	58.571	5.450	4.028
5	40.071	4.244	3.386
6	50.429	4.144	4.954
7	47.783	4.832	4.159
8	56.642	6.037	3.829
9	59.929	5.084	3.880
10	46.071	4.893	3.003
11	38.717	4.494	3.070
12	62.142	6.334	3.927
13	45.858	4.561	2.950
14	46.429	4.473	3.165
15	60.571	5.480	3.917
16	51.858	4.371	4.592
17	49.429	4.636	3.172
18	45.358	4.439	3.188
19	48.858	4.441	3.806
20	55.429	5.127	3.135
21	36.929	3.629	3.280
22	53.571	5.013	3.969
23	48.283	4.920	4.123
24	52.571	4.817	4.578
25	36.071	3.939	3.096
26	31.358	3.316	2.825
27	56.571	5.042	4.784
28	46.571	4.836	3.193
29	40.071	4.244	3.308
30	40.283	4.524	3.181