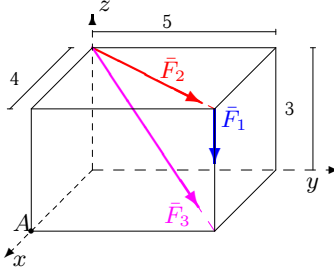
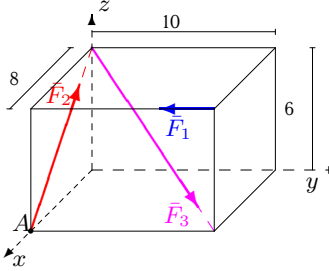
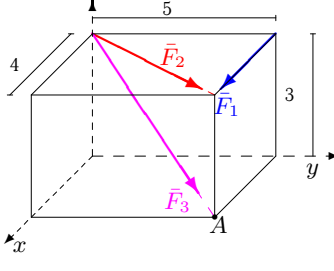
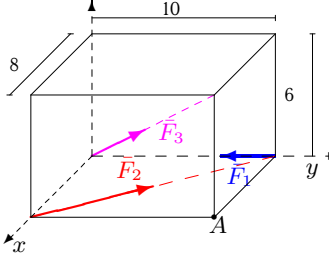
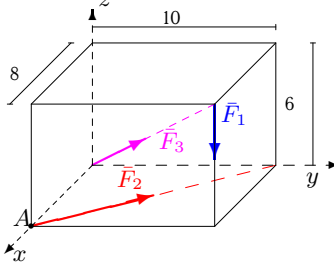
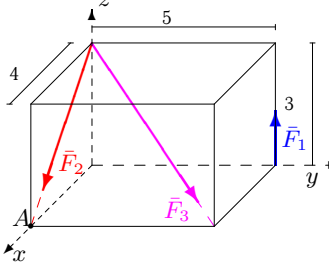
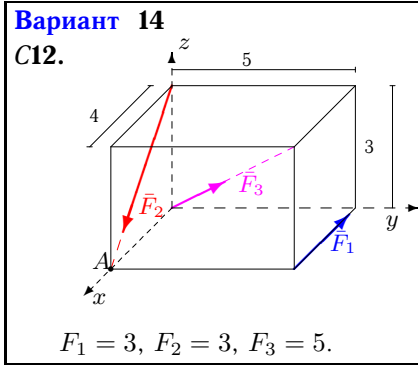
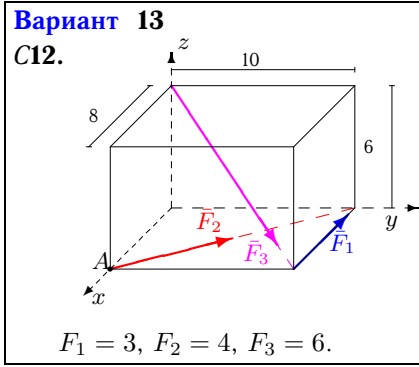
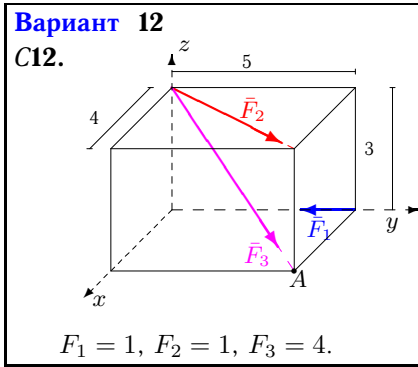
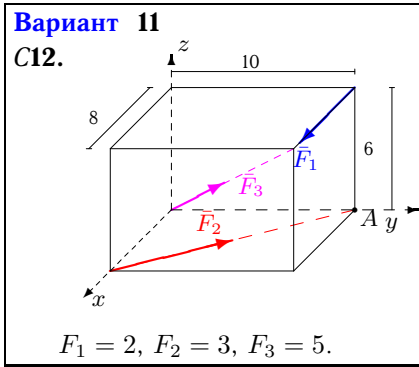
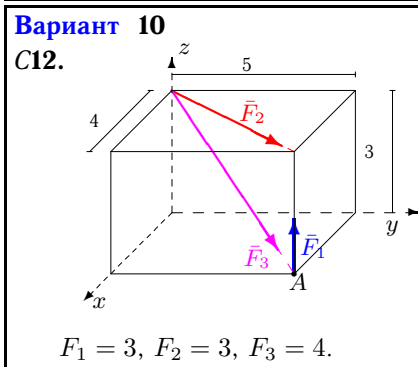
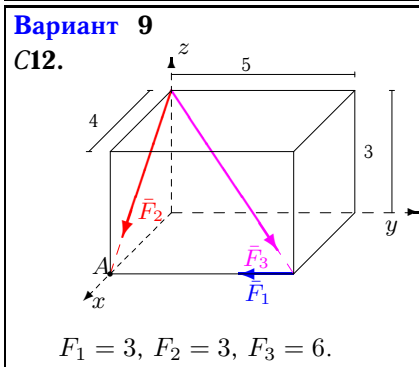
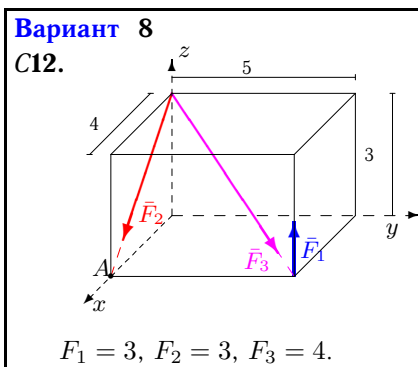
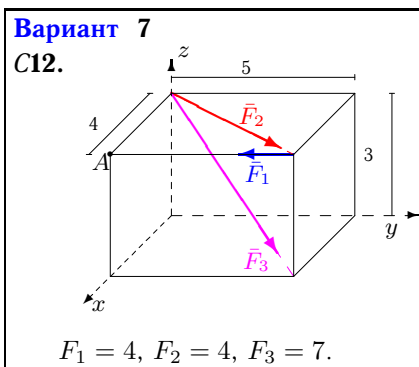


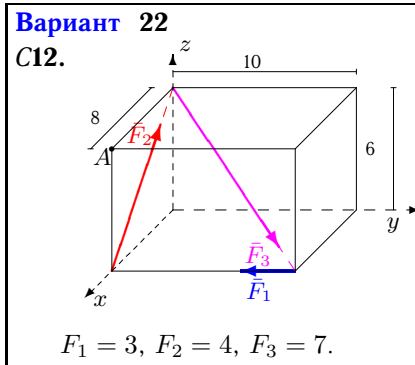
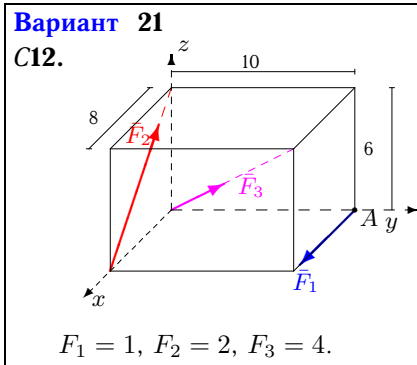
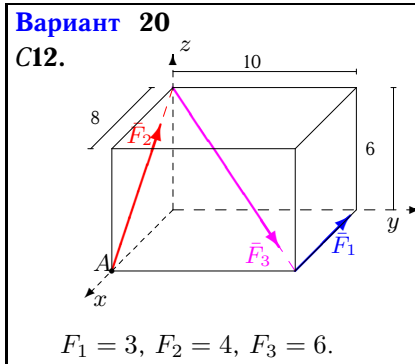
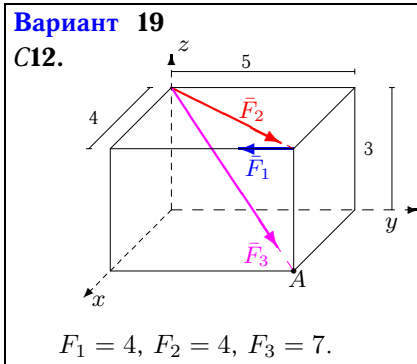
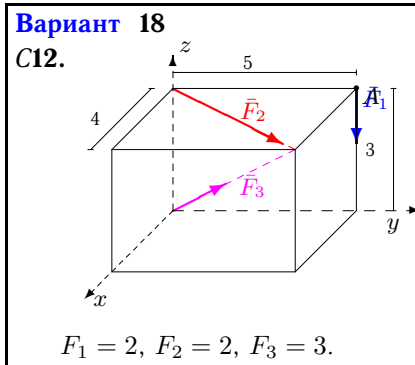
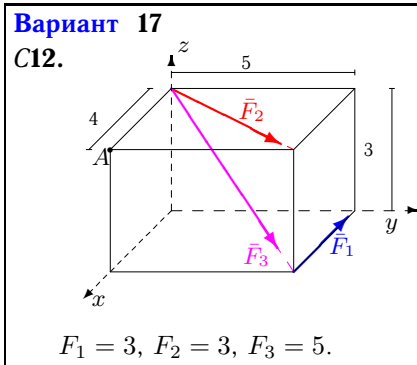
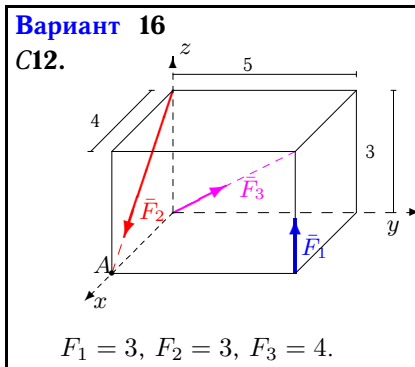
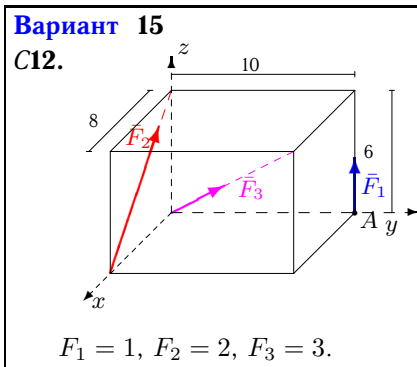
Приведение системы сил к простейшему виду

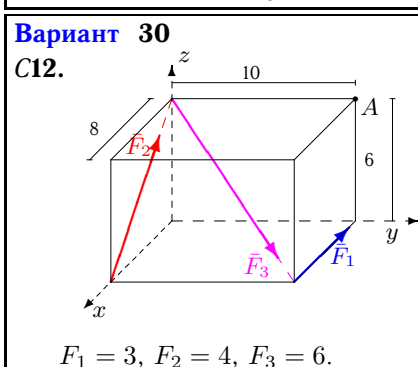
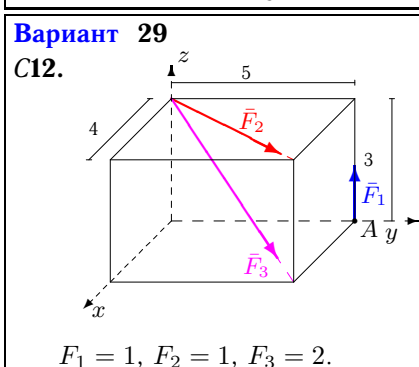
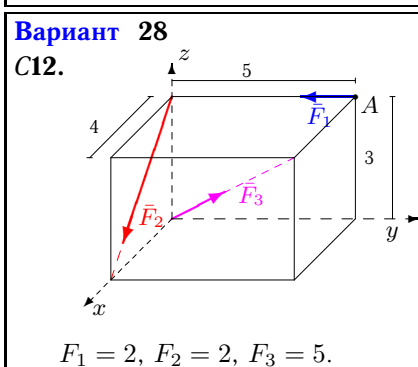
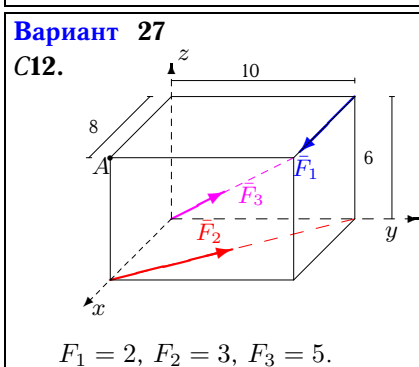
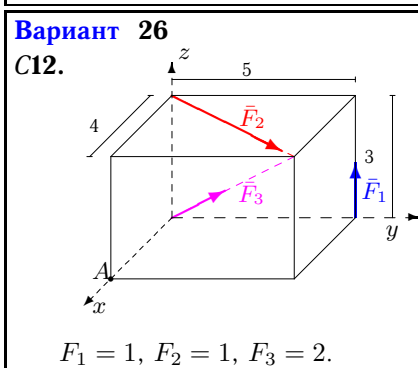
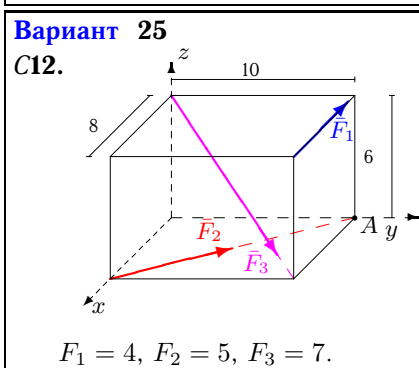
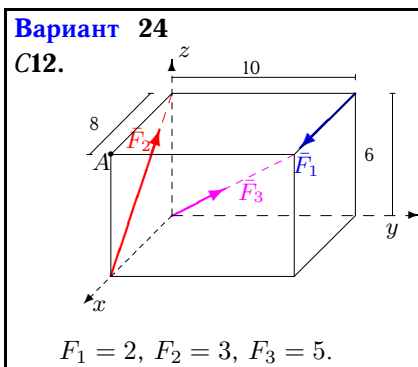
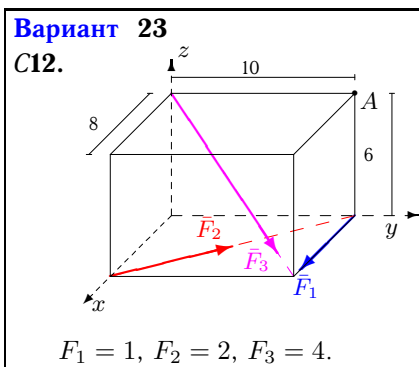
Систему трех сил, приложенных к вершинам параллелепипеда, привести к началу координат. Найти координаты точки пересечения центральной винтовой оси с плоскостью xy . Размеры на рисунках даны в м, силы — в Н.

Кирсанов М.Н. Решебник. Теоретическая механика с. 111.

<p>Вариант 1 С12.</p>  <p style="text-align: center;">$F_1 = 4, F_2 = 4, F_3 = 5.$</p>	<p>Вариант 2 С12.</p>  <p style="text-align: center;">$F_1 = 4, F_2 = 5, F_3 = 8.$</p>
<p>Вариант 3 С12.</p>  <p style="text-align: center;">$F_1 = 2, F_2 = 2, F_3 = 4.$</p>	<p>Вариант 4 С12.</p>  <p style="text-align: center;">$F_1 = 1, F_2 = 2, F_3 = 5.$</p>
<p>Вариант 5 С12.</p>  <p style="text-align: center;">$F_1 = 4, F_2 = 5, F_3 = 6.$</p>	<p>Вариант 6 С12.</p>  <p style="text-align: center;">$F_1 = 1, F_2 = 1, F_3 = 2.$</p>







Ответы

	R_x	R_y	R_z	R	M_x	M_y	M_z	M	x_A	y_A
1	5.327	6.659	-6.121	10.497	-39.977	31.982	0.000	51.196	5.225	6.531
2	0.525	1.657	-0.394	1.782	-9.941	3.153	-32.000	33.657	-8.690	30.518
3	5.512	4.390	-1.697	7.248	-13.170	16.536	-10.000	23.386	8.909	8.810
4	1.579	4.097	2.121	4.877	0.000	0.000	12.494	12.494	2.153	-0.830
5	0.271	8.147	-1.454	8.280	-40.000	32.000	31.235	59.997	5.298	28.057
6	1.931	1.414	-0.449	2.435	0.757	5.794	0.000	5.843	7.785	5.322
7	6.459	4.073	-2.970	8.193	-12.220	19.376	-16.000	27.942	5.553	5.654
8	4.663	2.828	-0.497	5.476	6.515	1.988	0.000	6.811	-2.831	-1.845
9	5.794	1.243	-4.346	7.348	-12.728	17.382	-12.000	24.661	4.000	2.929
10	4.137	5.171	1.303	6.749	-0.513	0.410	0.000	0.657	-0.315	-0.394
11	2.954	5.878	2.121	6.912	0.000	12.000	-1.259	12.066	-1.721	-1.978
12	2.887	2.609	-1.697	4.246	-10.828	8.662	0.000	13.866	5.843	5.563
13	-2.105	7.366	-2.546	8.073	-25.456	20.365	54.988	63.925	5.176	9.193
14	2.228	3.536	0.321	4.192	0.000	7.200	15.000	16.639	-3.447	-11.951
15	0.097	2.121	3.473	4.071	10.000	-9.600	0.000	13.862	2.049	2.912
16	4.663	2.828	2.897	6.175	15.000	-4.800	0.000	15.749	3.100	2.799
17	1.703	5.878	-2.121	6.477	-17.634	14.108	15.000	27.111	5.258	8.716
18	2.946	3.683	-0.727	4.772	-14.685	3.748	0.000	15.156	11.706	14.952
19	6.459	4.073	-2.970	8.193	-12.220	19.376	-16.000	27.942	5.553	5.654
20	-2.806	4.243	-0.146	5.089	-25.456	1.165	30.000	39.362	-73.031	121.263
21	1.663	2.828	2.897	4.377	0.000	-9.600	-10.000	13.862	0.454	1.681
22	0.760	1.950	-0.570	2.169	-29.698	4.559	-24.000	38.455	8.000	52.116
23	2.013	4.390	-1.697	5.119	-16.971	13.576	2.494	21.876	5.907	10.960
24	2.428	3.536	3.921	5.812	0.000	-2.400	-20.000	20.143	-1.708	1.594
25	-3.164	8.854	-2.970	9.860	-29.698	-0.241	71.235	77.178	3.590	11.312
26	1.756	2.195	1.849	3.364	2.657	1.874	0.000	3.252	-0.093	0.701
27	2.954	5.878	2.121	6.912	0.000	12.000	-1.259	12.066	-1.721	-1.978
28	4.428	1.536	0.921	4.777	6.000	4.800	0.000	7.684	-2.731	-0.637
29	1.756	2.195	0.151	2.815	-1.585	5.268	0.000	5.502	-18.724	-23.310
30	-2.806	4.243	-0.146	5.089	-25.456	1.165	30.000	39.362	-73.031	121.263