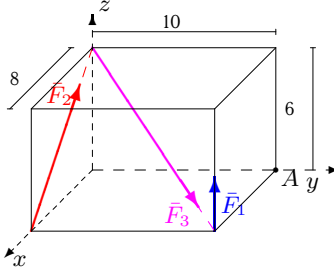
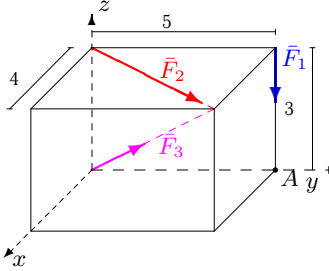
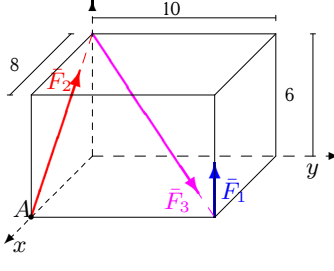
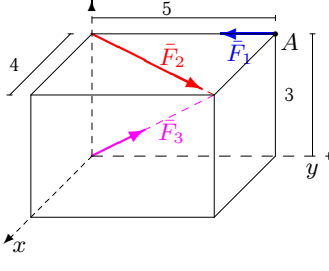
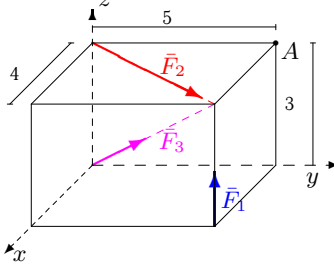
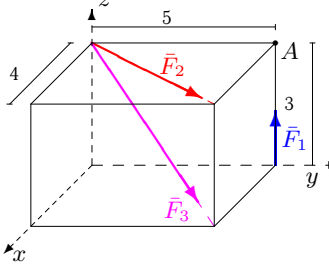
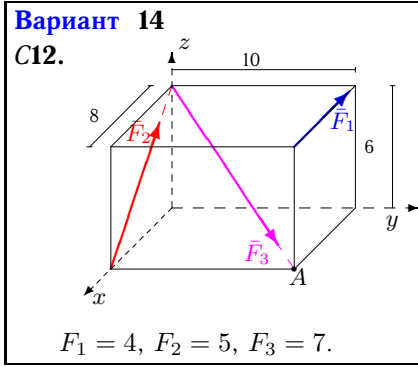
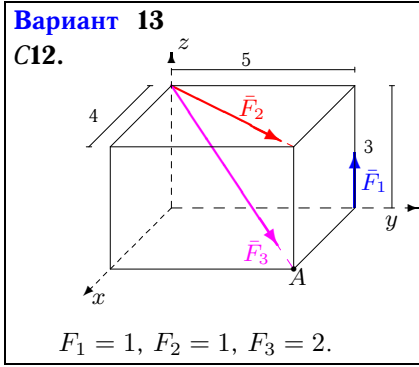
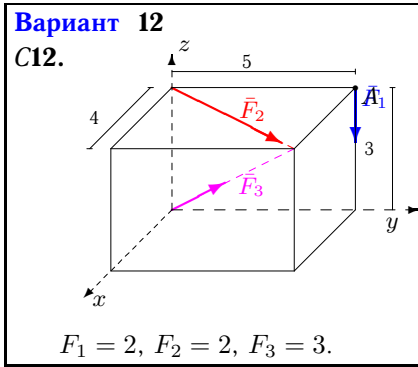
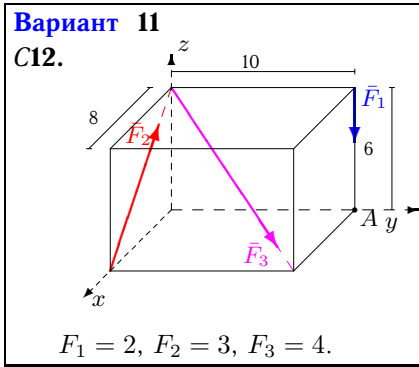
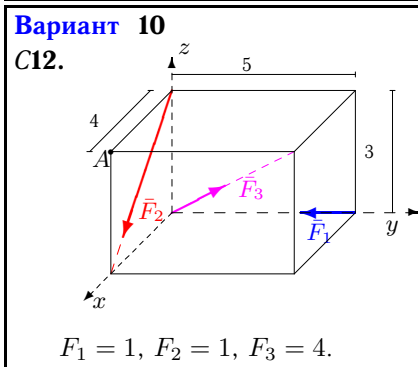
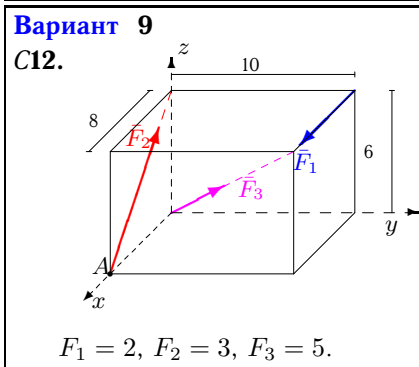
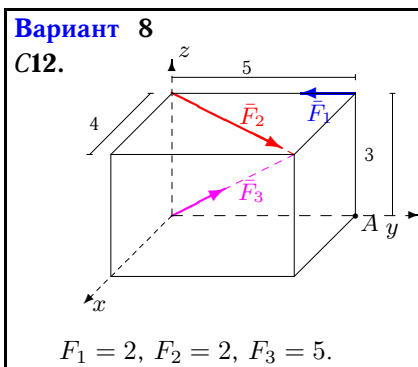
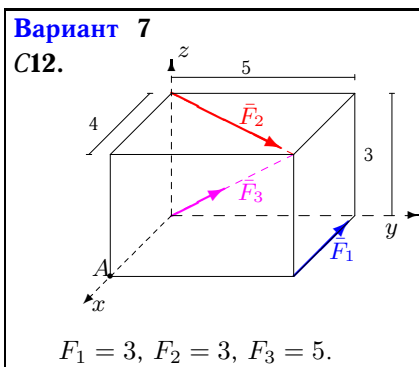


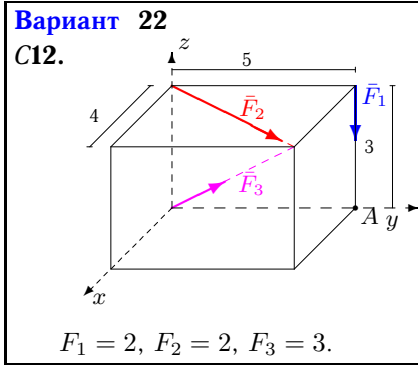
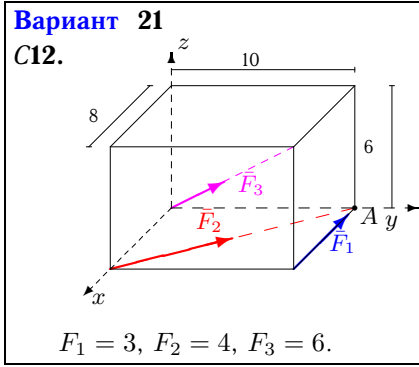
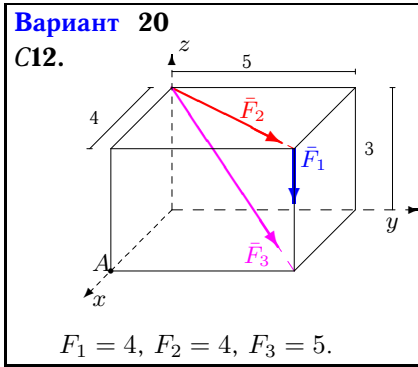
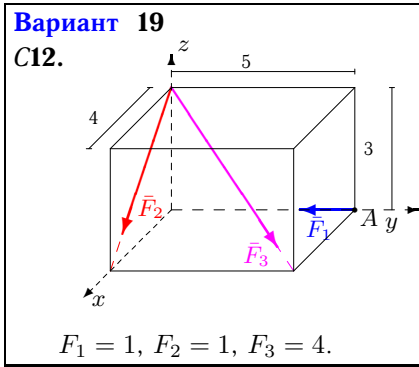
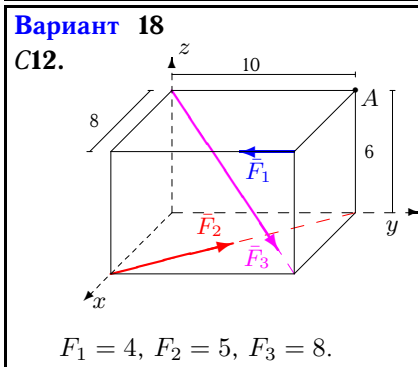
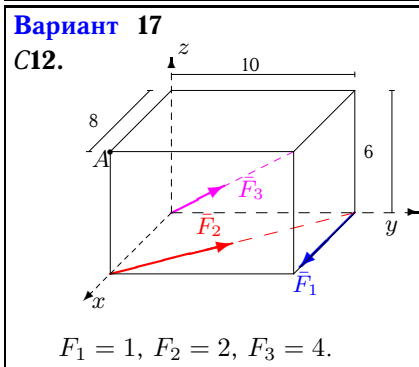
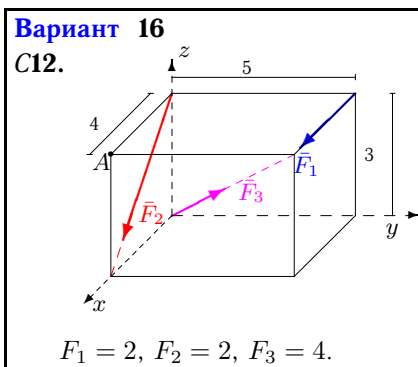
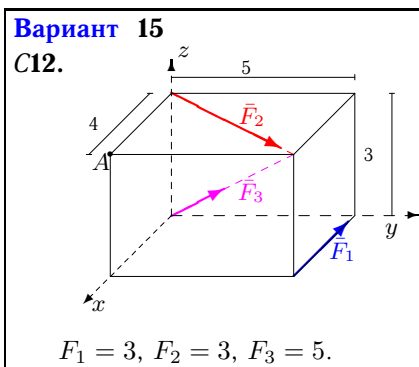
Приведение системы сил к простейшему виду

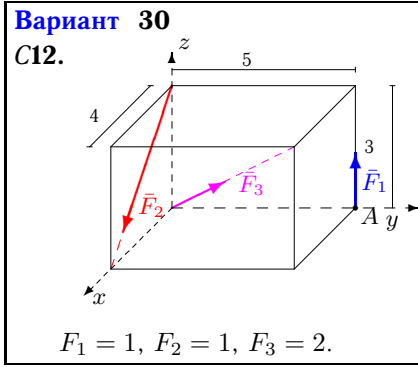
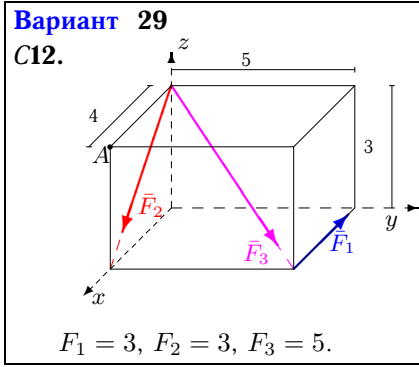
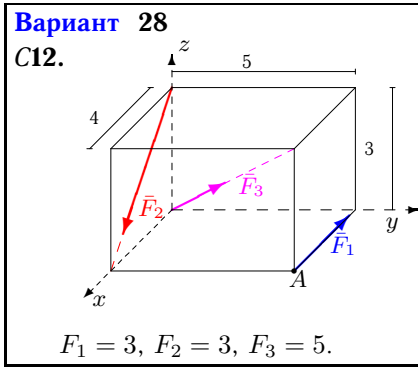
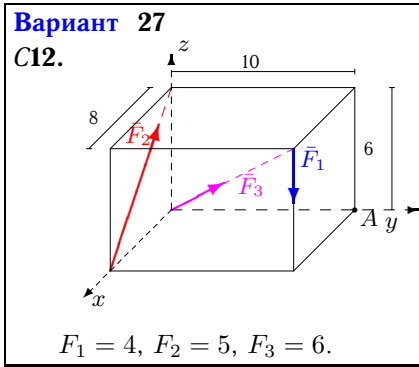
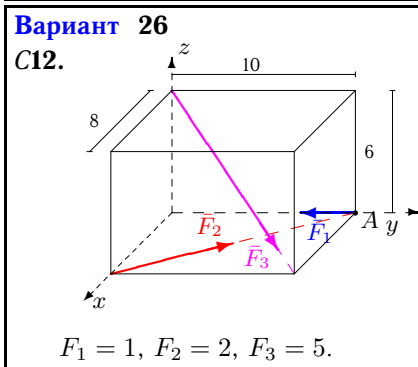
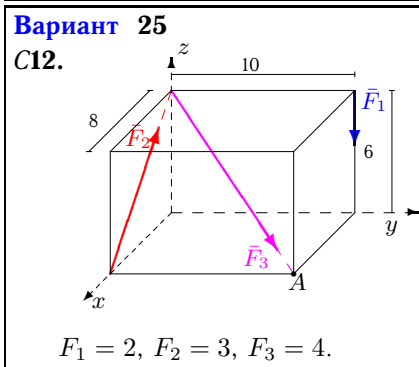
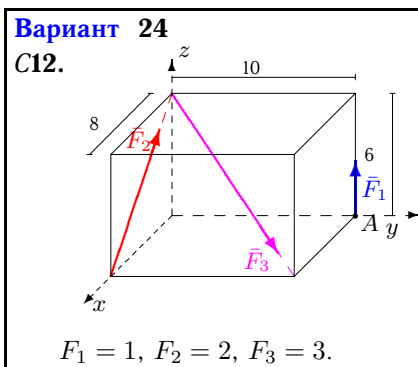
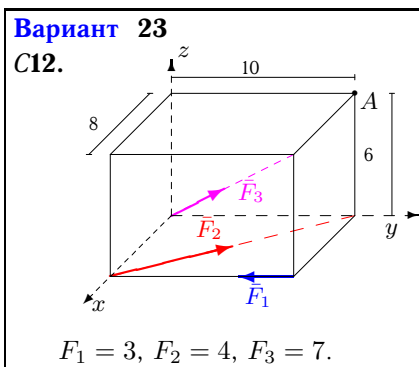
Систему трех сил, приложенных к вершинам параллелепипеда, привести к началу координат. Найти координаты точки пересечения центральной винтовой оси с плоскостью xy . Размеры на рисунках даны в м, силы — в Н.

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

<p>Вариант 1 С12.</p>  <p style="text-align: center;">$F_1 = 3, F_2 = 4, F_3 = 5.$</p>	<p>Вариант 2 С12.</p>  <p style="text-align: center;">$F_1 = 2, F_2 = 2, F_3 = 3.$</p>
<p>Вариант 3 С12.</p>  <p style="text-align: center;">$F_1 = 3, F_2 = 4, F_3 = 5.$</p>	<p>Вариант 4 С12.</p>  <p style="text-align: center;">$F_1 = 2, F_2 = 2, F_3 = 5.$</p>
<p>Вариант 5 С12.</p>  <p style="text-align: center;">$F_1 = 3, F_2 = 3, F_3 = 4.$</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	-0.372	3.536	3.279	4.836	8.787	-26.229	0.000	27.662	3.574	2.215
2	2.946	3.683	-0.727	4.772	-14.685	3.748	0.000	15.156	11.706	14.952
3	-0.372	3.536	3.279	4.836	8.787	-26.229	0.000	27.662	3.574	2.215
4	4.078	3.097	2.121	5.543	1.315	3.748	0.000	3.972	-0.960	-0.442
5	4.137	5.171	4.697	8.119	7.972	-6.378	0.000	10.209	1.358	1.697
6	1.756	2.195	0.151	2.815	-1.585	5.268	0.000	5.502	-18.724	-23.310
7	1.703	5.878	2.121	6.477	-7.028	5.622	15.000	17.493	0.844	-4.325
8	4.078	3.097	2.121	5.543	1.315	3.748	0.000	3.972	-0.960	-0.442
9	2.428	3.536	3.921	5.812	0.000	-2.400	-20.000	20.143	-1.708	1.594
10	3.063	1.828	1.097	3.732	0.000	2.400	0.000	2.400	-1.663	-0.880
11	-0.137	2.828	-1.897	3.408	-36.971	-0.824	0.000	36.980	-0.786	19.471
12	2.946	3.683	-0.727	4.772	-14.685	3.748	0.000	15.156	11.706	14.952
13	1.756	2.195	0.151	2.815	-1.585	5.268	0.000	5.502	-18.724	-23.310
14	-4.040	4.950	0.030	6.389	-29.698	-24.241	40.000	55.404	808.830	-981.016
15	1.703	5.878	2.121	6.477	-7.028	5.622	15.000	17.493	0.844	-4.325
16	5.863	2.828	0.497	6.528	0.000	10.800	-10.000	14.719	-18.313	-7.078
17	2.013	4.390	1.697	5.119	0.000	0.000	2.494	2.494	0.418	-0.192
18	1.402	5.561	-3.394	6.664	-9.941	27.153	-0.765	28.926	2.848	4.228
19	3.063	1.828	-2.297	4.243	-8.485	9.188	0.000	12.507	4.406	3.013
20	5.327	6.659	-6.121	10.497	-39.977	31.982	0.000	51.196	5.225	6.531
21	-2.105	7.366	2.546	8.073	0.000	0.000	54.988	54.988	6.215	1.776
22	2.946	3.683	-0.727	4.772	-14.685	3.748	0.000	15.156	11.706	14.952
23	1.461	5.073	2.970	6.057	0.000	0.000	0.988	0.988	0.137	-0.039
24	0.097	2.121	0.927	2.317	-2.728	0.582	0.000	2.789	-0.214	-2.961
25	-0.137	2.828	-1.897	3.408	-36.971	-0.824	0.000	36.980	-0.786	19.471
26	1.579	4.097	-2.121	4.877	-21.213	16.971	12.494	29.901	7.226	10.298
27	-0.606	4.243	1.546	4.556	-40.000	8.000	0.000	40.792	2.518	-24.781
28	2.228	3.536	0.321	4.192	0.000	7.200	15.000	16.639	-3.447	-11.951
29	2.228	3.536	-3.921	5.731	-10.607	15.685	15.000	24.156	4.741	2.238
30	1.931	1.414	1.249	2.700	5.000	2.400	0.000	5.546	0.106	1.235