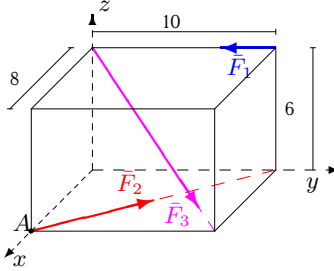
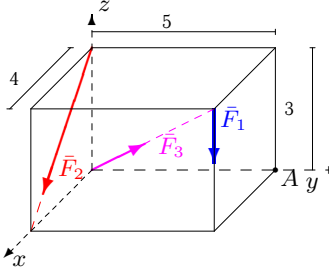
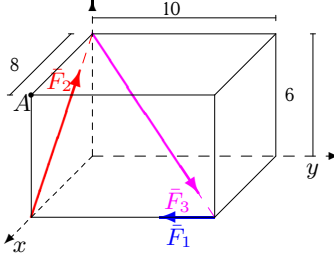
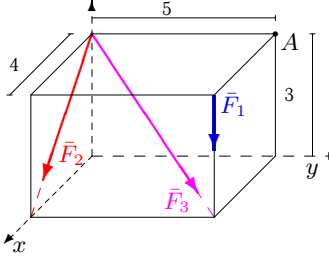
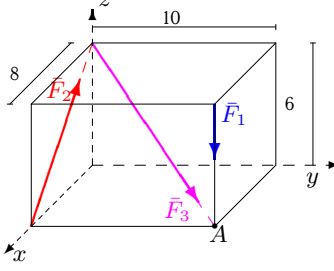
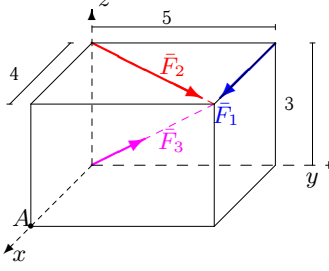
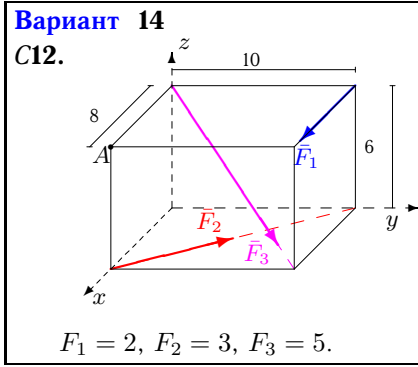
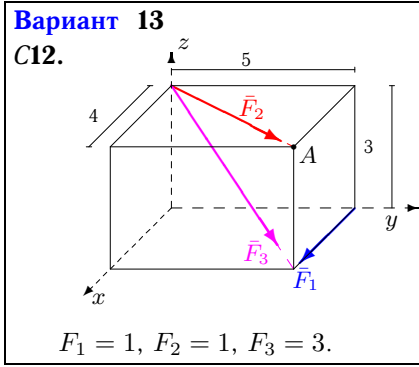
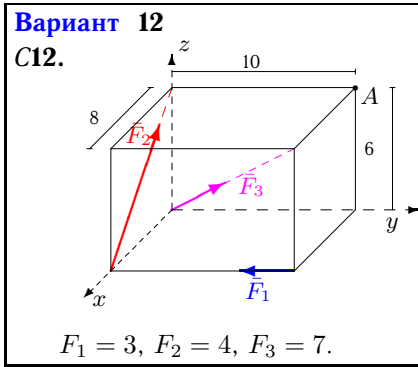
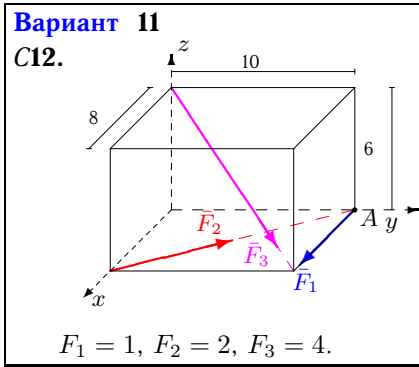
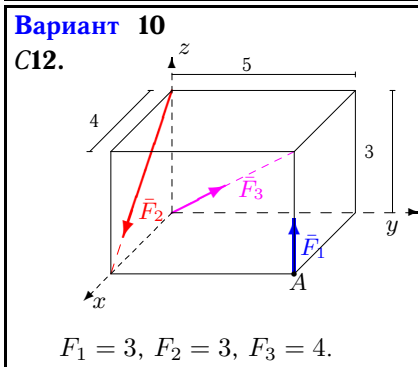
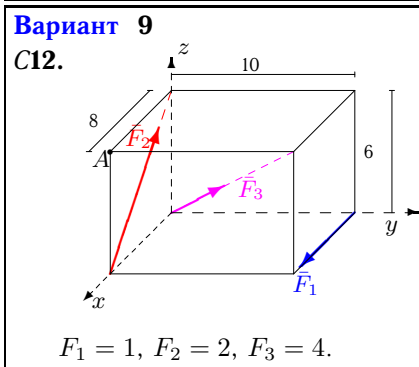
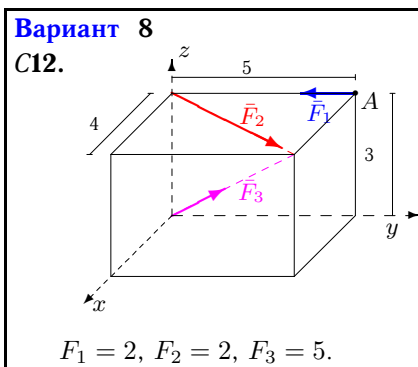
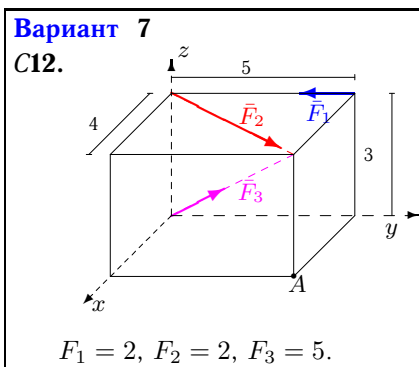


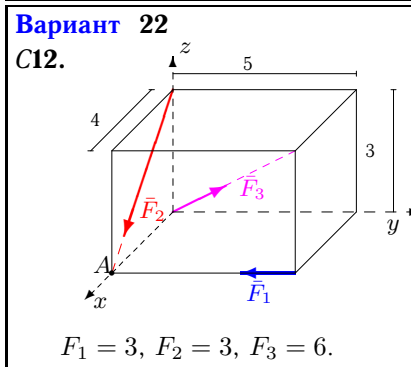
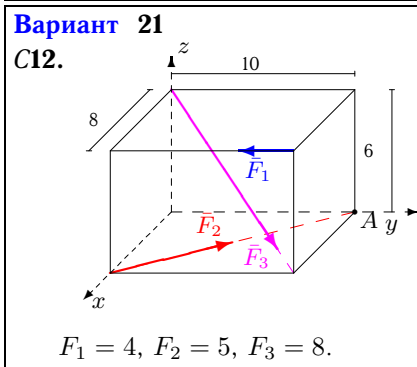
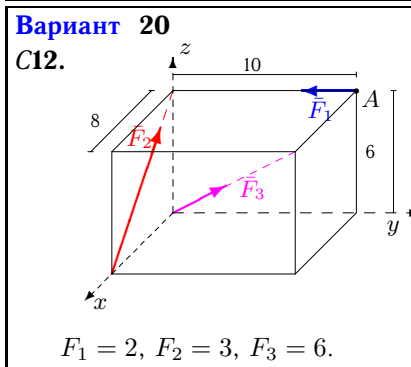
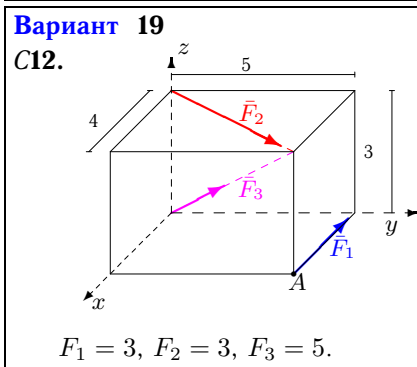
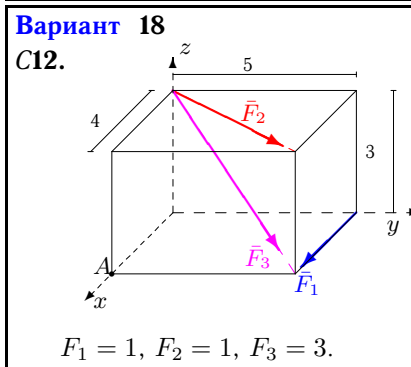
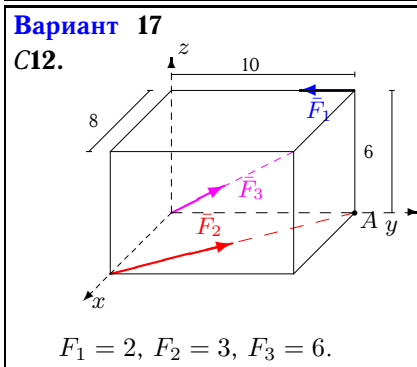
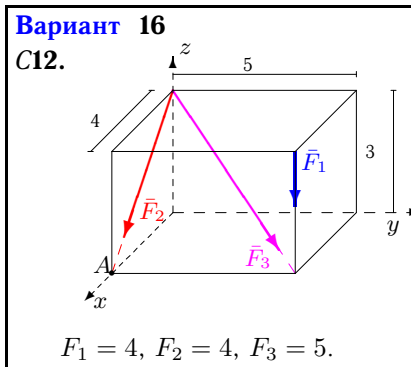
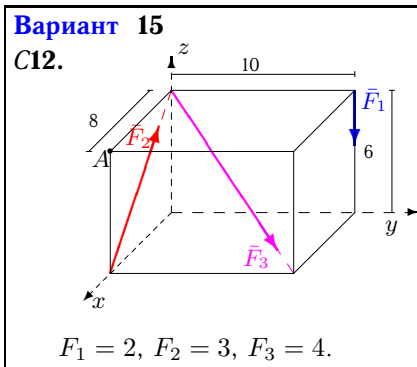
Приведение системы сил к простейшему виду

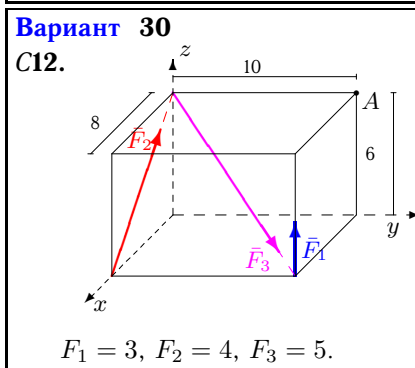
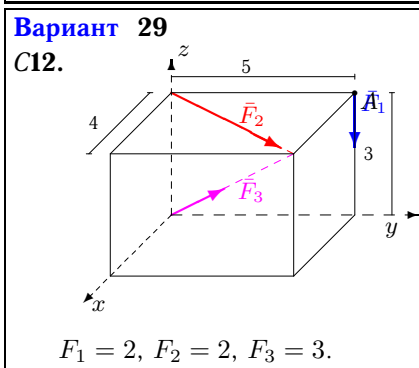
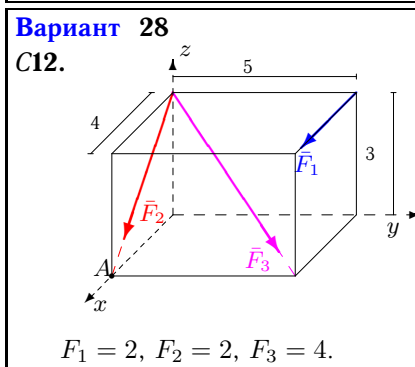
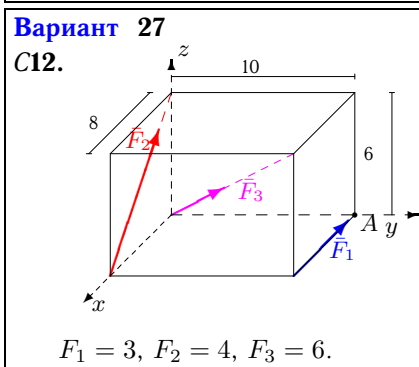
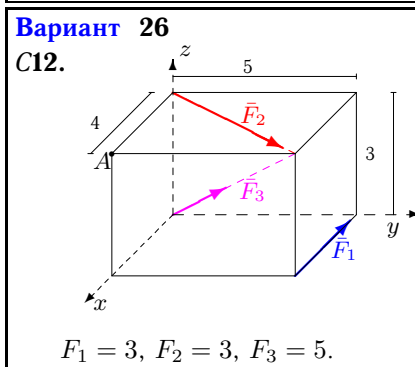
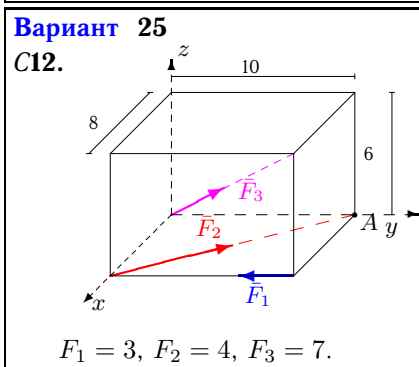
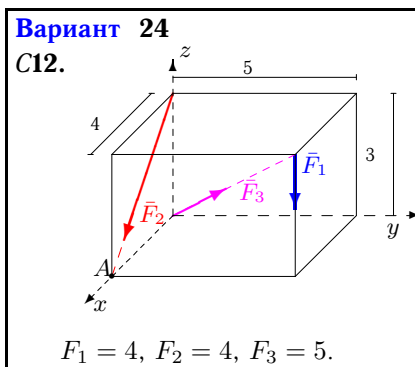
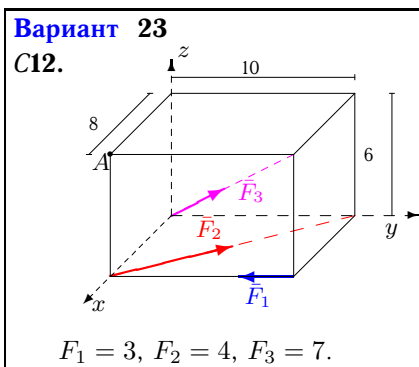
Систему трех сил, приложенных к вершинам параллелепипеда, привести к началу координат. Найти координаты точки пересечения центральной винтовой оси с плоскостью xy . Размеры на рисунках даны в м, силы — в Н.

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

<p>Вариант 1 С12.</p>  <p style="text-align: center;">$F_1 = 2, F_2 = 3, F_3 = 6.$</p>	<p>Вариант 2 С12.</p>  <p style="text-align: center;">$F_1 = 4, F_2 = 4, F_3 = 5.$</p>
<p>Вариант 3 С12.</p>  <p style="text-align: center;">$F_1 = 3, F_2 = 4, F_3 = 7.$</p>	<p>Вариант 4 С12.</p>  <p style="text-align: center;">$F_1 = 4, F_2 = 4, F_3 = 5.$</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;">$F_1 = 2, F_2 = 2, F_3 = 4.$</p>







Ответы

	R_x	R_y	R_z	R	M_x	M_y	M_z	M	x_A	y_A
1	1.520	4.585	-2.546	5.460	-13.456	20.365	18.741	30.773	6.477	5.791
2	6.028	3.536	-4.279	8.194	-20.000	25.600	0.000	32.486	6.353	4.044
3	0.760	1.950	-0.570	2.169	-29.698	4.559	-24.000	38.455	8.000	52.116
4	6.028	3.536	-8.521	11.021	-30.607	34.085	0.000	45.810	4.219	3.219
5	-0.606	4.243	-3.546	5.562	-65.456	28.365	0.000	71.337	1.812	17.577
6	5.512	4.390	1.697	7.248	-4.685	9.748	-10.000	14.730	-5.744	-2.761
7	4.078	3.097	2.121	5.543	1.315	3.748	0.000	3.972	-0.960	-0.442
8	4.078	3.097	2.121	5.543	1.315	3.748	0.000	3.972	-0.960	-0.442
9	1.663	2.828	2.897	4.377	0.000	-9.600	-10.000	13.862	0.454	1.681
10	4.663	2.828	2.897	6.175	15.000	-4.800	0.000	15.749	3.100	2.799
11	2.013	4.390	-1.697	5.119	-16.971	13.576	2.494	21.876	5.907	10.960
12	0.760	1.950	5.370	5.763	0.000	-19.200	-24.000	30.735	1.757	0.708
13	3.322	2.902	-1.273	4.591	-8.707	6.965	-5.000	12.220	5.726	6.550
14	2.954	5.878	-2.121	6.912	-21.213	28.971	-1.259	35.929	7.261	13.215
15	-0.137	2.828	-1.897	3.408	-36.971	-0.824	0.000	36.980	-0.786	19.471
16	6.028	3.536	-8.521	11.021	-30.607	34.085	0.000	45.810	4.219	3.219
17	1.520	4.585	2.546	5.460	12.000	0.000	18.741	22.254	3.984	3.393
18	3.322	2.902	-1.273	4.591	-8.707	6.965	-5.000	12.220	5.726	6.550
19	1.703	5.878	2.121	6.477	-7.028	5.622	15.000	17.493	0.844	-4.325
20	0.994	2.243	4.346	4.990	12.000	-14.400	0.000	18.745	2.892	2.949
21	1.402	5.561	-3.394	6.664	-9.941	27.153	-0.765	28.926	2.848	4.228
22	5.794	1.243	0.746	5.973	0.000	7.200	-12.000	13.994	-9.657	0.000
23	1.461	5.073	2.970	6.057	0.000	0.000	0.988	0.988	0.137	-0.039
24	6.028	3.536	-4.279	8.194	-20.000	25.600	0.000	32.486	6.353	4.044
25	1.461	5.073	2.970	6.057	0.000	0.000	0.988	0.988	0.137	-0.039
26	1.703	5.878	2.121	6.477	-7.028	5.622	15.000	17.493	0.844	-4.325
27	-2.806	4.243	4.946	7.094	0.000	-19.200	30.000	35.618	5.023	0.754
28	5.863	2.828	-2.897	7.125	-8.485	17.588	-10.000	21.940	5.514	4.084
29	2.946	3.683	-0.727	4.772	-14.685	3.748	0.000	15.156	11.706	14.952
30	-0.372	3.536	3.279	4.836	8.787	-26.229	0.000	27.662	3.574	2.215