

Kompleks Analiz Ödev 3

1) Aşağıdaki sayıların genlik ve açılarını bulun. Komplex düzlemde gösterin ve kutupsal formda ifade edin.

a) A_1+B_1i , b) A_2+B_2i , c) A_3+B_3i , d) A_4+B_4i

2) Aşağıdaki sayıların genlik ve açılarını bulun. Komplex düzlemde gösterin ve kutupsal formda ifade edin.

a) C_1+D_1i , b) C_2+D_2i , c) C_3+D_3i , d) C_4+D_4i

3) $(A_1+B_1i) (A_2+B_2i) (A_3+B_3i) (A_4+B_4i)$ ifadesini hesaplayın.

4) $\frac{A_1 + B_1i}{A_2 + B_2i} \frac{A_3 + B_3i}{A_4 + B_4i} \frac{2 + Ei}{F - 5i}$ ifadesini hesaplayın.

Numarasi olmayanlar 999 nolu satiri kullanacaklar.

No	A1	B1	A2	B2	A3	B3	A4	B4	C1	D1	C2	D2	C3	D3	C4	D4	E	F
999	5	-1	-4	6	5	6	-1	-4	0	30	30	-40	0	-30	-30	0	3	3
21110011013	-5	4	5	-5	-4	-2	2	4	0	40	40	30	0	-40	-40	0	4	2
21110011073	-3	3	2	-5	-6	-5	3	1	-30	0	0	-30	30	0	0	30	3	1
22110011009	-3	6	5	-4	-1	-5	5	3	-40	0	0	40	0	-40	40	0	4	5
22110011012	3	5	-4	6	-5	-3	5	-1	-10	0	0	10	0	-10	10	0	3	1
22110011015	-5	3	6	-6	-5	-6	6	5	-20	0	0	20	0	-20	20	0	2	3
22110011031	2	-1	-2	4	-5	-3	5	6	-40	0	0	-40	40	0	0	40	6	3
22110011044	4	-1	-4	4	4	2	-1	-4	30	0	0	30	-30	0	0	-30	6	1
22110011048	2	1	-3	5	-5	-1	5	-4	-40	0	0	-40	40	0	0	40	4	4
22110011050	5	-1	-4	6	5	6	-1	-4	0	30	30	-40	0	-30	-30	0	3	3
22110011301	4	5	-4	6	-3	-2	1	-4	-20	0	0	20	0	-20	20	0	5	4
22110011303	-2	5	1	-3	-4	-3	3	2	0	30	30	20	0	-30	-30	0	2	5
22110011361	-3	4	6	-2	-2	-5	4	5	-20	0	0	-20	20	0	0	20	3	2
22110011363	4	3	-3	1	-6	-4	3	-3	0	20	20	-20	0	-20	-20	0	6	6
22110011366	-5	5	6	-1	-3	-6	3	2	-30	0	0	-30	30	0	0	30	3	3
23110011003	4	3	-3	2	-4	-2	2	-5	30	0	0	30	-30	0	0	-30	1	3
23110011006	3	-1	-5	2	-5	-5	4	5	30	0	0	30	-30	0	0	-30	3	5

23110011014	-2	5	5	-5	-3	-3	4	2	0	20	20	30	0	-20	-20	0	2	4
23110011032	-2	2	3	-5	-4	-4	4	6	20	0	0	20	-20	0	0	-20	4	5
23110011034	3	-4	-3	4	-1	-3	2	5	-20	0	0	20	0	-20	20	0	4	6
23110011035	1	-6	-6	4	4	5	-4	-3	-10	0	0	10	0	-10	10	0	3	3
23110011038	-6	4	1	-2	-5	-4	6	2	0	30	30	10	0	-30	-30	0	4	6
23110011039	6	-1	-1	1	2	4	-1	-5	-30	0	0	-30	30	0	0	30	6	1
23110011042	-1	6	4	-5	-6	-6	4	5	-10	0	0	10	0	-10	10	0	6	2
23110011051	4	-5	-3	6	-3	-2	3	3	20	0	0	20	-20	0	0	-20	4	2
23110011312	4	1	-5	5	-6	-4	3	-4	0	10	10	20	0	-10	-10	0	1	4
23110011803	1	5	-1	4	-3	-3	4	-6	-20	0	0	-20	20	0	0	20	6	5
23110011804	4	-6	-2	6	3	3	-5	-5	-40	0	0	40	0	-40	40	0	6	2
24110011002	2	2	-3	4	-5	-2	1	-3	0	40	40	40	0	-40	-40	0	5	1
24110011003	-6	3	6	-1	-1	-2	5	5	0	30	30	40	0	-30	-30	0	6	4
24110011006	-6	2	4	-3	-4	-5	2	4	-30	0	0	-30	30	0	0	30	3	6
24110011009	6	-6	-6	5	3	2	-2	-4	0	20	20	-30	0	-20	-20	0	2	2
24110011010	-6	3	5	-5	-2	-1	4	3	0	30	30	-30	0	-30	-30	0	5	3
24110011012	5	-5	-4	1	5	5	-4	-3	-30	0	0	30	0	-30	30	0	3	1
24110011014	4	3	-6	2	-5	-4	3	-5	40	0	0	40	-40	0	0	-40	5	5
24110011015	4	-2	-1	3	3	4	-4	-4	0	10	10	40	0	-10	-10	0	6	5
24110011016	5	-6	-5	3	-2	-5	4	2	0	10	10	40	0	-10	-10	0	5	2
24110011019	4	-6	-1	6	1	3	-1	-2	0	40	40	40	0	-40	-40	0	4	3
24110011020	2	2	-6	6	-4	-5	3	-6	30	0	0	30	-30	0	0	-30	4	5
24110011021	2	-5	-3	6	4	6	-4	-4	-10	0	0	10	0	-10	10	0	4	1
24110011022	-3	3	2	-1	-5	-5	5	5	0	20	20	10	0	-20	-20	0	2	2
24110011025	4	-3	-3	6	6	5	-2	-3	0	20	20	10	0	-20	-20	0	1	3
24110011026	4	-3	-1	6	6	2	-4	-3	0	30	30	10	0	-30	-30	0	5	4
24110011311	2	-4	-4	3	2	5	-6	-3	30	0	0	30	-30	0	0	-30	5	6
24110011506	4	4	-2	5	-3	-5	1	-3	-40	0	0	40	0	-40	40	0	5	2
24110011519	2	2	-4	3	-5	-4	6	-1	0	20	20	40	0	-20	-20	0	2	6
24110011520	-5	4	2	-4	-4	-1	4	5	0	20	20	40	0	-20	-20	0	6	3
24110011531	1	4	-6	5	-3	-3	5	-2	20	0	0	20	-20	0	0	-20	2	5
24110011532	3	-6	-4	2	5	5	-6	-5	-10	0	0	-10	10	0	0	10	5	6
24110011534	1	-6	-1	6	2	4	-3	-2	-20	0	0	-20	20	0	0	20	4	2
25110011004	-4	4	4	-4	-4	-2	2	3	-30	0	0	30	0	-30	30	0	6	2
25110011032	-1	1	6	-2	-6	-2	4	4	0	40	40	30	0	-40	-40	0	3	5
25110011301	5	-5	-4	1	5	5	-4	-3	-30	0	0	30	0	-30	30	0	3	1
25110011302	4	3	-6	2	-5	-4	3	-5	40	0	0	40	-40	0	0	-40	5	5
25110011304	4	-2	-1	3	3	4	-4	-4	0	10	10	40	0	-10	-10	0	6	5
25110011309	5	-6	-5	3	-2	-5	4	2	0	10	10	40	0	-10	-10	0	5	2
25110011312	4	-6	-1	6	1	3	-1	-2	0	40	40	40	0	-40	-40	0	4	3
25110011313	2	2	-6	6	-4	-5	3	-6	30	0	0	30	-30	0	0	-30	4	5

25110011314	2	-5	-3	6	4	6	-4	-4	-10	0	0	10	0	-10	10	0	4	1
25110011317	-3	3	2	-1	-5	-5	5	5	0	20	20	10	0	-20	-20	0	2	2
25110011319	4	-3	-3	6	6	5	-2	-3	0	20	20	10	0	-20	-20	0	1	3
25110011515	4	-3	-1	6	6	2	-4	-3	0	30	30	10	0	-30	-30	0	5	4