

Kompleks Analiz Ödev 4

1) aşağıdaki kokleri hesaplayın.

a) $w^3 = A$, b) $w^3 = -A$, c) $w^3 = Ai$, d) $w^3 = -Ai$,

2) Aşağıdaki kokleri hesaplayın.

a) $w^4 = B + Ci$ b) $w^4 = -B - Ci$

3) aşağıdaki kokleri hesaplayın ve bütün kokleri kompleks düzlemde çizin.

a) $w^6 = A$ b) $w^5 = -A$

4) Asağıdaki tabloyu doldurun. $f(w) = \frac{jw+D}{jw+E}$,

w	$jw+D$	$jw+E$	$ jw+D $	$\angle jw+D$	$\left \frac{jw+D}{jw+E} \right $	$\angle jw+D$	$\angle jw+E$	$\angle \frac{jw+D}{jw+E}$
0								
0.5								
1								
10								
10000								
∞								
-10000								
$-\infty$								

No	A	B	C	D	E
999	3	3	5	2	4
21110011013	3	2	2	2	8
21110011073	2	5	2	3	4
22110011009	3	4	3	3	4
22110011012	6	2	4	5	3
22110011015	5	5	6	2	8
22110011031	2	6	3	2	5
22110011044	4	5	2	3	6

22110011048	3	1	1	7	4
22110011050	3	3	3	3	8
22110011301	3	1	5	2	4
22110011303	6	4	2	2	4
22110011361	2	4	4	3	3
22110011363	5	6	6	3	8
22110011366	2	5	6	5	5
23110011003	2	3	2	2	5
23110011006	4	3	3	3	6
23110011014	4	2	5	2	3
23110011032	3	6	6	7	3
23110011034	3	4	1	1	3
23110011035	6	6	3	7	8
23110011038	5	6	2	3	4
23110011039	4	5	6	2	4
23110011042	1	6	2	2	3
23110011051	2	5	2	3	8
23110011312	4	5	3	3	5
23110011803	4	4	3	5	5
23110011804	3	2	6	3	7
24110011002	4	5	2	5	8
24110011003	3	5	4	2	5
24110011006	3	5	6	3	5
24110011009	5	2	3	2	6
24110011010	2	2	5	7	3
24110011012	1	6	6	1	3
24110011014	5	6	2	7	3
24110011015	4	2	4	3	8
24110011016	2	2	5	2	4
24110011019	6	4	2	2	6
24110011020	5	3	3	3	3
24110011021	5	3	5	3	3
24110011022	5	5	3	5	3
24110011025	1	3	1	2	8
24110011026	3	2	1	8	4
24110011311	2	3	4	1	4
24110011506	3	1	1	5	8
24110011519	4	4	1	2	5
24110011520	4	6	3	3	5
24110011531	3	3	4	2	6
24110011532	4	5	3	7	3

24110011534	2	1	3	1	3
25110011004	4	6	3	7	3
25110011032	4	2	4	3	8
25110011301	2	2	5	2	4
25110011302	6	4	2	2	6
25110011304	5	3	3	3	3
25110011309	5	3	5	3	3
25110011312	5	5	3	5	3
25110011313	1	3	1	2	8
25110011314	3	2	1	8	4
25110011317	2	3	4	1	4
25110011319	3	1	1	5	8
25110011515	4	4	1	2	5