Week1 Assessment

Due date: 2019-02-14, 23:59 UTC

Unit 3 - Introduction to complex variables

Course outline

1. Introduction to complex variables
2. Limit of complex variables
3. Series
4. Power series
5. Cauchy's integral theorem
6. Cauchy's integral formula
7. Residue
8. Residue theorem
9. Integrals of analytic functions
10. Review

Week1 Assessment

Prob. 1: a) the integer n is equal to

b) (1 + 1)n is equal to

c) the order of the pole of the function 1/z is equal to

Prob. 2: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 3: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 4: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 5: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 6: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 7: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 8: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 9: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 10: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 11: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 12: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 13: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 14: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 15: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 16: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 17: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 18: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 19: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 20: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 21: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 22: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 23: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 24: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 25: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 26: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 27: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 28: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 29: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 30: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 31: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 32: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 33: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 34: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 35: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 36: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 37: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 38: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 39: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 40: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 41: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 42: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 43: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 44: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 45: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 46: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 47: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 48: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 49: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to

Prob. 50: a) the order of the pole of the function 1/z is equal to

b) the order of the pole of the function 1/z is equal to