

(Preview of) Midterm Exam No. 01 (Spring 2019)

PHYS 301: Theoretical Methods in Physics

Date: 2019 Feb 8

1. **(20 points.)** Based on HW-01. Roots of unity.
2. **(20 points.)** Based on HW-02. Hyperbolic functions.
3. **(20 points.)** Based on HW-02. Hyperbolic functions.
4. **(20 points.)** Based on HW-03. Analytic function.
5. **(20 points.)** Based on HW-03. Analytic function.
6. **(20 points.)** Based on HW-04. Contour integral.
7. **(20 points.)** Based on HW-04. Contour integral.
8. **(20 points.)** A problem on something general. No preparation needed.