

Solve the following problems from Srednicki and DeWitt.

- 1** (10 points) Problem 36.1 on page 229.
- 2** (15 points) Problem 36.3 on page 229.
- 3** (30 points) Problem 36.4 on pages 229-230.
- 4** (30 points) Problem 36.5 on pages 230-231.
- 5** (15 points) Problem 1.1 on pages 46 of DeWitt's "Supermanifolds," 2nd Edition. See Supplementary Materials posted in the Phys 518's website for a PDF of this page.