Math 1100
Quiz 4
Calculators Allowed

Print Name: _____ Circle Section Time: 10 or 11

1. [5 points] Prove that for all complex numbers z the sum $z + \bar{z}$ is a real number.

2. [5 points] Helen earns \$7.50 per hour at her job, but if she works more than 35 hours in a week she is paid $1\frac{1}{2}$ times her regular salary for the overtime hours worked. One week her gross pay was \$352.50. How many hours did she work that week?

3. [5 points] Compute $\dfrac{(7.2034 \times 10^{-9})(1.2976 \times 10^{3})}{3.6123 \times 10^{-4}}$. Express your answer in scientific notation rounded to 5 significant digits.