

**Math 221: Basic Statistics Quiz #6A**

**Math 221: Basic Statistics Quiz #6B**

Week #8

Name: \_\_\_\_\_

SHOW ALL YOUR WORK FOR FULL CREDIT!

## Math 221: Basic Statistics Quiz #6C

Week #8

Name: \_\_\_\_\_

SHOW ALL YOUR WORK FOR FULL CREDIT!

- (1) A newspaper finds that the mean number of typographical errors per page is 4.9. Using a Poisson distribution, find the probability that

## Math 221: Basic Statistics Quiz #6 Solutions

Week #8

- (1) To solve this problem, simply use the Poisson distribution and basic probability to realize that "at most one typographical error" means  $X \leq 1$ . Solving this problem requires the formulas

$P(X \leq 1)$