In-Recitation Quiz (Cover Pset8)

Name: _____   Signature: _____

NetID: _____   RUID: _____

Quiz Instructions:

- Indicate your answer in the box provided. Answers indicated elsewhere will not be graded and receive a **zero** grade, irrespective of the correctness.

- **CREDIT** is only given for **CORRECT** answers and **NO PARTIAL CREDIT**.

- Simplify your answer as much as possible.

Problem 3.8.5	**Grade:**

Let X have the PMF

$$P_X(x) = \binom{4}{x}\left(\frac{1}{2}\right)^4.$$

Find $\mathbb{P}(\mu_x - \sigma_x \leq X \leq \mu_X + \sigma_X)$.

Hint(Hint is not question. Answering hint does not yield credit):

1. Which probability distribution does X follow?

Faculty Comments

Answers: