Math 262 Reading Guide

Section 3.4.2 NAME

Read Section 3.4.2 and answer the following questions. *Hand in this worksheet at the next class.*

1. What is the definition of the **gamma function**?

2. What is the definition of the **gamma distribution**?

3. In what way is the exponential distribution a special case of the gamma distribution?

4. If X is has a gamma distribution with parameters α and β, what are the mean and variance of X?

5. What is the mgf of the gamma distribution?