

UNIVERSITY OF TEXAS AT AUSTIN

Quiz # 7

Prerequisite material.

Please, provide a **complete** solution to the following problem(s):

Problem 7.1. (5 points) Complete the following definition:

The two random variables X and Y are said to be **equal** if:

Problem 7.2. (5 points) Complete the following definition:

The two random variables X and Y are said to be **identically distributed** if:

Problem 7.3. (5 points) Provide an example of a pair of random variables which are identically distributed, but **not** equal.