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.