

DISCRETE MATH
QUIZ 1

Name: _____

You have 10 minutes for this exam. If you have a question, raise your hand and remain seated. In order to receive full credit your answer must be **complete**, **legible** and **correct**.

1.

(a) Give an example of a nonempty set A such that $A \subseteq \mathcal{P}(A)$.

(b) Give an example of a nonempty set B such that B and $\mathcal{P}(B)$ are disjoint.

2. What is Russell's paradox?