Math 104 - Quiz 5
Name $\qquad$

1. A letter is selected at random from the word "MISSISSIPPI"
a. (2pts.) What is the sample space for this experiment?
b. (2 pts.) Describe the event "the letter chosen is a vowel " as a subset of the sample space.
2. Let $S=\{t, u, v, w, x, y, z\}$
$A=\{t, u, v\}$
$B=\{t, v, w\}$
$C=\{w, x, y, z\}$
Answer the following questions "yes" or "no".
a. (2 pts.) Are $A$ and $B$ mutually exclusive?
b. (2 pts.) Are B and C mutually exclusive?
c. (2 pts.) Are A and C mutually exclusive?
