Math 104 - Quiz 1 Name_____

1. Let $U = \{t, u, v, w, x, y, z\}$
$A = \{t, u, v\}$
$B = \{t, v, w\}$
$C = \{w, x, y, z\}$

List the elements in the following sets. (1 pt each)

a. A'

b. $A \cup B$

c. $B \cap C$

d. $A \cap C$

e. $A' \cap C$

f. $(B \cup C)'$

2. Let U = {all people}
C = {people who like chocolate ice cream}
S = {people who like strawberry ice cream}
V = {people who like vanilla ice cream}

Describe the following sets using set-theoretic notation. (1 pt each)

a. {people who do not like chocolate ice cream} =

b. {people who like strawberry but not vanilla ice cream} =

c. {people who like either chocolate or strawberry ice cream} =