

CS 442/542 Fall 2020 Quiz 8

Name: _____

Use the grammar shown below to answer questions 1 and 2.

1. $S \rightarrow X$
2. $X \rightarrow YZ$
3. $Z \rightarrow a b Y Z$
4. $Z \rightarrow \epsilon$
5. $Y \rightarrow V W$
6. $W \rightarrow c V W$
7. $W \rightarrow \epsilon$
8. $V \rightarrow d$

1. Find the First sets for the non-terminals in the grammar.

First(S)

First(X)

First(Y)

First(Z)

First(V)

First(W)

2. Find the Follow sets for the non-terminals in the grammar.

Follow(S)

Follow(X)

Follow(Y)

Follow(Z)

Follow(V)

Follow(W)