

## Parsing Homework

Name:

Chapter 12 of your textbook will help you!

Use it to find the correct Part of Speech tags for words, and example parse trees to guide you.

1. Draw the parse tree for this sentence: *The people under the bridge have your textbook.*

2. Draw the parse tree for this sentence: *All the midshipmen left quickly.*

3. Draw the parse tree for this sentence (hint: pg 393): *What burrito is the best burrito?*

4. Figure 12.6 on page 401 shows some subcategorization frames for verbs. Look there now. Verbs are kind of like programming functions. They take a specific number of arguments. For instance, the verb *give* must have two objects (the thing you give, and to whom you give it). What subcategorization frames do the following verbs require? Your answer will be like the left column of figure 12.6.
  1. Pass
  2. Leave
  3. E-mail
  
5. Chapter 12.3.4 describes agreement in CFGs...singular and plural syntax. Write CFG rules that will generate the grammatical sentence, *the dogs lost their collars*. However, make sure your rules do **not** generate this ungrammatical sentence, *the dogs lost its collar*. Your answer should look like the mini-grammar on the bottom of pg 399. Start with a S -> XXX rule.