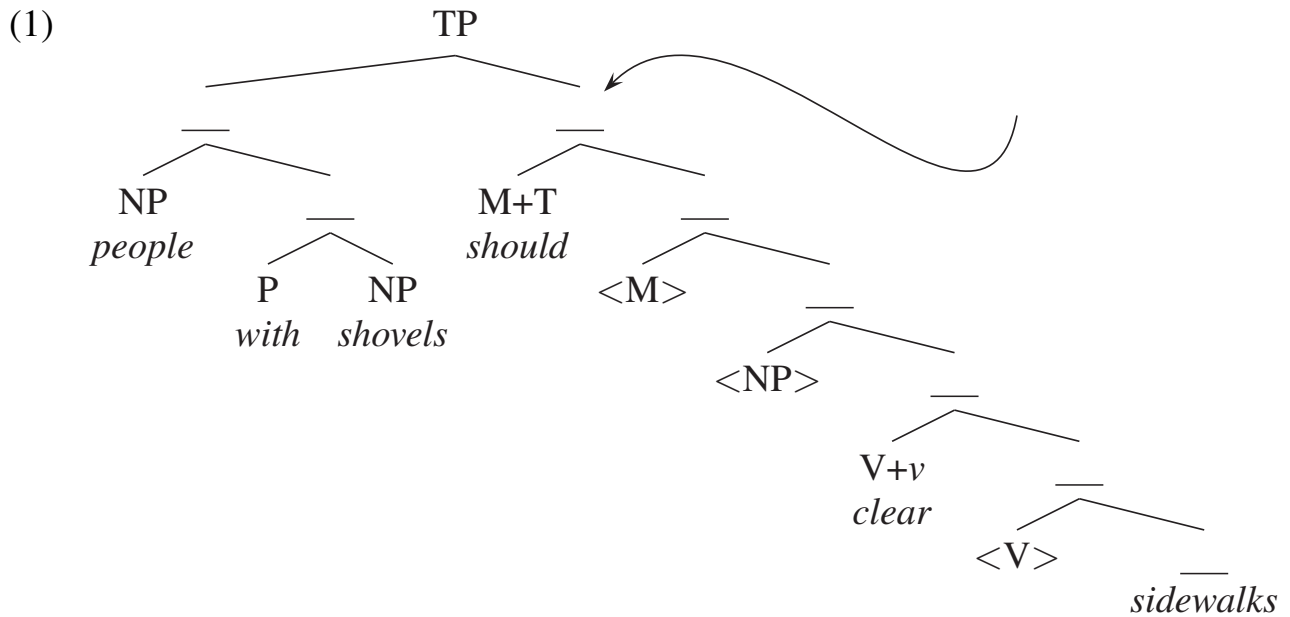


Budget your time. 30 points total. 80 minutes.
 The number of points assigned to each part is indicated by a number in brackets.

1. [8] Fill in the missing labels for the nodes in the tree below. Where a node is the maximal projection of a lexical item, indicate this with the standard “X-bar” notation (e.g., NP for the maximal projection of a noun, v' for an intermediate projection of v). The sentence is *People with shovels should clear sidewalks*. The arrow is for use in question 4.



2. [6] Yes or No. In the sentence for which the structure is given in (1)...

- (a) Is *should clear* a constituent? _____
- (b) Is *clear sidewalks* a constituent? _____
- (c) Is *sidewalks* a complement? _____
- (d) Is *should* a specifier? _____
- (e) Is *with shovels* an adjunct? _____
- (f) Does the MP (that you wrote) dominate the T' (that you wrote)? _____

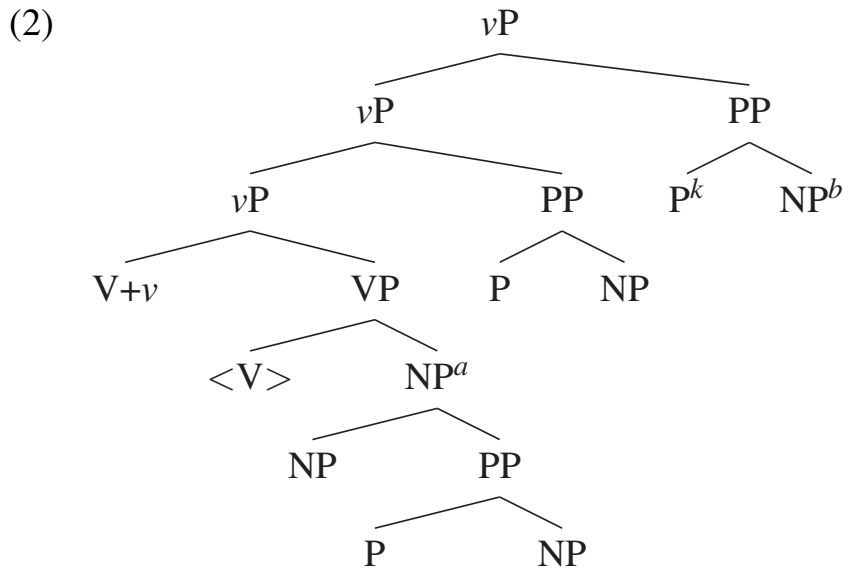
3. [1] **Circle one.** The verb shown in the structure in (1) above is...

ditransitive / transitive / unergative / unaccusative

4. [1] **C-command.** The arrow in the tree above points to a node. Circle every node in the tree that node c-commands.

5. [1] **θ -role.** Name the θ -role that *People with shovels* has in (1). _____

6. Suppose we start building a structure for a sentence, and at a certain stage we wind up with a vP as shown (abstractly) below in (2). *Note:* The superscripts are just for identification purposes—they aren't part of the structure, I just need to be able to refer to the individual nodes.



(a) [1] Name the θ -role that the NP^a has. _____

(b) [1] Name the operation (Merge, Adjoin, Move) that connected P^k and NP^b . _____

(c) [1] How many [μN^*] features were there—total—in these lexical items initially? _____

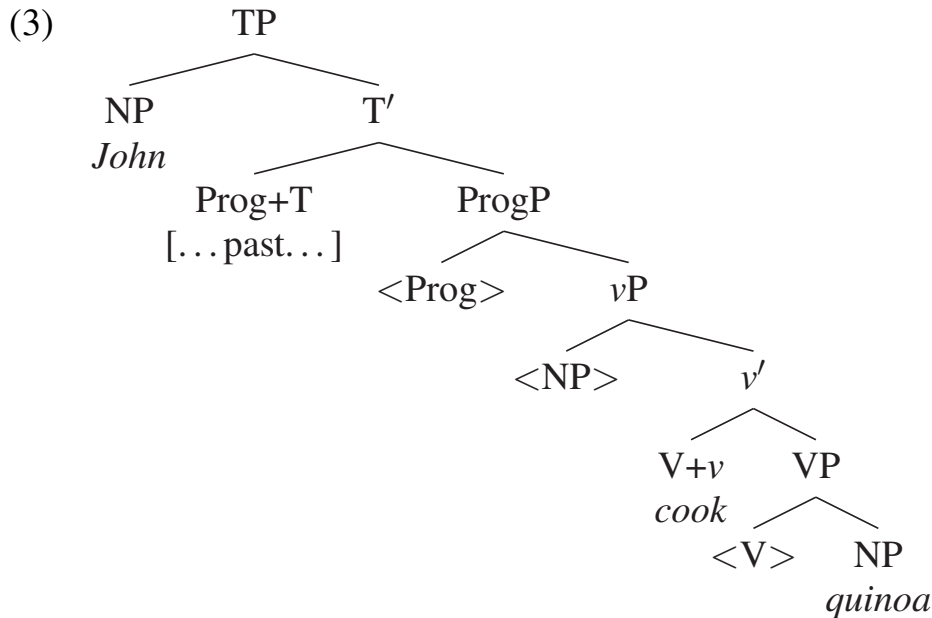
(d) [1] Which of the following three sentences might plausibly include the vP in (2)?

1. Give estimates about expenses to Pat by Friday.
2. Performers without traces of talent sang on stage.
3. Soup with bacon boiled with vigor on TV.

7. [1] Circle one. The verb shown in the structure in (2) is...

ditransitive / transitive / unergative / unaccusative

8. Suppose you had a sentence with the abstract structure given below in (3). I have provided the pronunciation of two lexical items (the NP, *John*, and the bare (uninflected) form of the verb, *cook*).



(a) [1] Draw arrows in the tree that show, when things moved, where they moved from and to.

(b) [1] Write the sentence that this would be the structure for.

(c) [1] What was the motivation to Merge *v* and VP?

(d) [1] What was the motivation to Merge T' and NP (*John*)?

9. [2] Binding Theory I. Consider the sentence in (4), which is “trying to mean” *John told himself that Mary didn’t omit him (John) intentionally*, and answer the questions about it listed below.

(4) * He_i told John_i that Mary didn’t omit himself_i intentionally.

(a) [1] Which noun phrase(s) bind *John* in (4)? _____

(b) [1] Which Principle of Binding Theory is *not* violated in (4)? _____

10. [2] Binding Theory II. Now consider the sentence in (5), which is “trying to mean” *Mary convinced herself that she (Mary) would win*, and answer the questions about it listed below.

(5) * Mary_i convinced her_i that herself_i would win.

(a) [1] Which noun phrase(s) bind *herself* in (5)? _____

(b) [1] Which Principle of Binding Theory is *not* violated in (5)? _____