Homework 4: Syntactic Analysis (Due on January 3, 2005 Monday) -- This homework with a total of 100 points is worth 6% of your final grade.

NAME: _________________________

Refer to the following phrase-structure rules in English when you do the exercises:

(1) S → NP (Aux) VP
(2) VP → V (NP) (Adv) (PP) (Adv)
(3) NP → (Det) (A) N (PP)
(4) PP → P NP

1. Draw a tree diagram for each of the following noun phrases (20 pts):
   A. a search for cures          B. the taming (N) of the shrew

2. Draw a tree diagram for each of the following verb phrases (20 pts):
   A. surrender with dignity      B. put the book on the table
3. Draw a tree diagram for the following preposition phrase (10 pts):

in the store near a big park

4. Draw a tree structure for each of the following sentence:
   A. The boy in the room threw the ball into a pool near the yard. (15 pts)
B. The professor put the book about linguistics on the table near the blackboard. (15 pts)

5. Draw tree diagrams for each interpretation of the sentence *John hit the kid with a bat*. (20 points)