1. Section 21.4 gives five types of referring expressions. Look at the following text and mark it up with the three of the types:
   1. Underline all indefinite noun phrases
   2. Put a box around all definite noun phrases
   3. Circle all pronouns

   A burrito is a type of Mexican food. It consists of a wheat flour tortilla wrapped or folded into a roughly cylindrical shape to completely enclose a filling. (In contrast, a taco is generally formed by simply folding a tortilla in half around a filling, leaving the semicircular perimeter open.) The flour tortilla is usually lightly grilled or steamed, to soften it and make it more pliable.

2. Definite and indefinite noun phrases have a unique meaning that tips off the reader to information about its possible antecedent. Which type of expression usually introduces a new entity to the reader that has not been yet mentioned in the text? Indefinite or definite noun phrases?

3. Try out the Hobbs algorithm on these sentences: “John ran fast down the street. The door fell on him.”

   Focus on the word him. List the three other underlined NPs in the order that the Hobbs algorithm will look at them. (note: Hobbs depends on parse trees, so either draw them out on a separate sheet, or just imagine them in your head)

   1. 2. 3.

4. Look at the following text:

   “Barack Obama told Goldman Sachs that he was upset. The company did not respond.”

   What type of feature(s) will help a coreference system correctly link “the company” to “goldman sachs” and not to “barack obama”?

TURN PAGE OVER!!!!
“Some nights, I wish that my lips could build a castle.
Some nights, I wish they’d just fall off.”

What type of feature(s) will help a coreference system correctly link “they” to “my lips” and not “a castle”?

What type of feature(s) will help a coreference system correctly link “they” to “my lips” and not “some nights”?