1. (40 pts, 1/2 pt per word) For each sentence below, label each word with its correct part-of-speech (POS) tag based upon the word’s use in the sentence. Punctuation should be ignored. Choose from the following list of part-of-speech tags: adjective (ADJ), adverb (ADV), article (ART), conjunction (CONJ), gerund (GER), infinitive “to” (INF), modal (MOD), noun (NOUN), particle (PART), preposition (PREP), personal pronoun (not possessive) (PERPRO), possessive pronoun (POSSPRO), relative pronoun (RELPRO), verb (VERB).

For infinitive verb phrase constructions, label “to” as INF and the verb itself as VERB.

NOTE: An easy way to show your part-of-speech tags is to append a slash and POS tag after each word. For example: “Natural/ADJ language/NOUN is/VERB fun/ADJ.”

(a) Dan slid sideways down the hill and broke out in laughter.

(b) Children may like candy but eating sugary foods is unhealthy.

(c) My brother did not plan to take sleeping pills although he got no sleep yesterday.

(d) He often snores like an aardvark.

(e) Mary ran inside after rain began to fall.

(f) The armed man took off when police showed up.

(g) The kittens sleeping in her lap are very young.

(h) She just completed a singing competition, which could make her a star.
2. (20 pts) For each sentence below, indicate whether the main verb appears in an *intransitive* construction, a *transitive* construction, or a *ditransitive* construction. Only give the answer *transitive* if the usage is not *ditransitive*.

(a) The dog barked at the cat.

(b) The man fed the squirrels peanuts.

(c) Susan slept for ten hours.

(d) George broke the window with his fist.

(e) Mary loaned her neighbor a bicycle for a week.

(f) Ted donated five hundred dollars to his favorite charity.

(g) Wilma married Fred in a rock quarry.

(h) Sam bought flowers for his mom.

(i) The cat frequently sits on the front porch.

(j) She gave a raise to her best employee for his great work.
3. (20 pts) For each sentence below, indicate whether the main verb appears in an *active* voice verb phrase or a *passive* voice verb phrase.

(a) Dr. Seuss has written many books.

(b) Tim will be organizing a charity event.

(c) Cathy has been hired by IBM.

(d) Walter will be evaluated for a raise in October.

(e) Tropical storm Fred has strengthened into a hurricane.

(f) The battle is being fought on several fronts.

(g) The cougar was hiding in a bush.

(h) The dog has been taught twenty difficult tricks.

(i) She will have achieved a record in gymnastics.

(j) He should have won the award.
4. (20 pts) Consider the following morphology rules and dictionary:

<table>
<thead>
<tr>
<th>Rule #1</th>
<th>s</th>
<th>-</th>
<th>-</th>
<th>NOUN</th>
<th>NOUN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rule #2</td>
<td>s</td>
<td>-</td>
<td>-</td>
<td>VERB</td>
<td>VERB</td>
</tr>
<tr>
<td>Rule #3</td>
<td>er</td>
<td>-</td>
<td>-</td>
<td>VERB</td>
<td>NOUN</td>
</tr>
<tr>
<td>Rule #4</td>
<td>-</td>
<td>re</td>
<td>-</td>
<td>VERB</td>
<td>VERB</td>
</tr>
<tr>
<td>Rule #5</td>
<td>-</td>
<td>anti</td>
<td>-</td>
<td>NOUN</td>
<td>ADJECTIVE</td>
</tr>
</tbody>
</table>

**Dictionary**

<table>
<thead>
<tr>
<th>Word</th>
<th>Part-of-Speech</th>
</tr>
</thead>
<tbody>
<tr>
<td>seizure</td>
<td>NOUN</td>
</tr>
<tr>
<td>form</td>
<td>VERB</td>
</tr>
</tbody>
</table>

For each word below, indicate whether that word CAN or CANNOT be successfully derived as having the specified part-of-speech using the morphology rules and dictionary above:

(a) antiseizure ADJECTIVE
(b) seizures VERB
(c) antiseizures NOUN
(d) antiseizures ADJECTIVE
(e) reforms NOUN
(f) reforms VERB
(g) antireform ADJECTIVE
(h) rereform VERB
(i) reformer NOUN
(j) reformers VERB
5. (15 pts) Consider the following five subcategorization frames:

<table>
<thead>
<tr>
<th>NP</th>
</tr>
</thead>
<tbody>
<tr>
<td>NP NP</td>
</tr>
<tr>
<td>PP(against)</td>
</tr>
<tr>
<td>PP(from) PP(to)</td>
</tr>
<tr>
<td>VP(to)</td>
</tr>
</tbody>
</table>

For each verb below, list ALL of the subcategorization frames in the list above that should be associated with the verb. If a verb should not have ANY of these subcategorization frames, then give the answer NONE.

HINT: most of the verbs should have 1 or 2 of the subcategorization frames in the list above.

(a) snore
(b) drive
(c) expect
(d) fight
(e) sip
(f) sing
(g) lean
(h) smile
(i) lend
(j) increase
ELECTRONIC SUBMISSION INSTRUCTIONS
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