Problem Set #1

A. (34 points) Fill in the boxes below with ALL the descriptive terms for the following IPA symbols (3 for most consonants, 4 for vowels) in the specified order.

1. [ð ]

2. [i ]

3. [ɛ ]

4. [ŋ ]

5. [æ ]

6. [r ]

7. [ow ]

8. [s ]

9. [b ]

10. [tʃ ]

B. (7 points) Write the appropriate IPA symbol for the following descriptive terms.

1. [ ] voiced bilabial nasal stop

2. [ ] high front unrounded tense vowel

3. [ ] voiced labiodental fricative

4. [ ] mid front unrounded tense vowel

5. [ ] voiced alveopalatal affricate

6. [ ] voiced alveolar stop

7. [ ] voiceless interdental fricative
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Problem Set 1  
C. (10 points) Transcribe (broad transcription) the following words into IPA as you normally speak.

1. knows
2. rice
3. cop
4. cheap
5. through

D. (4 points) Using a narrow transcription, transcribe the following words into IPA as you normally speak (you must use at least 1 diacritic or special symbol for each word).

1. little
2. tent

E. (27 points) Fill in the consonant chart below for English consonants. If there is a distinction between voiced and voiceless consonants, write the voiceless consonant symbol to the left and the voiced consonant symbol to the right.

F. (2 points EXTRA CREDIT) Below are words that have changed in pronunciation from the left to the right. Identify the phonetic process that has applied to the transcription in the right form.

1. sibilant: [sɪbəlænt] → [sɪləbənt]  

2. fan: [fæn] → [fən]