**Homework for Session 3 (Phonetics)**

1. Look at the underlined strings of letters and say which sound they represent. Give the **phonetic description** (voicing, place and manner of articulation) and the IPA character for the respective sound. You can use an online IPA keyboard or Unicode in Word to type the IPA character.

e.g. youth /j/ voiced palatal approximant

1. breathe /ð/ Voiced dental fricative
2. breath /θ/ Voiceless dental fricative
3. tough /f/ Voiceless labiodental fricative
4. ghost /g/ voiced velar plosive
5. what /w/ voiced labial--velar approximate
6. voice /v/ Voiced labiodental fricative

1. What features do we use to describe vowels (monophthongs)? Describe the vowels /ɪ/, /ʊ/, /æ/, /ɒ/, /ɜː/, /ʌ/ and /iː/.

Height of tongue

Part of tongue

Position of lip

/ɪ/ mid-high high front unrounded // near-close front unrounded vowel

/ʊ/mid-high high back rounded // near-close back rounded vowel

/æ/ mid-low low front unrounded // near-open front unrounded vowel

/ɒ/ mid-low low back rounded // open back rounded vowel

/ɜː/ mid-high central unrounded //open-mid central unrounded vowel

/ʌ/ mid-low central unrounded // open-mid back unrounded vowel

/iː/ high front unrounded // close front unrounded vowel

1. Represent the following transcriptions in English orthography. (These are IPA transcriptions of Standard English pronunciation)
2. /bɪd/ bid
3. /bed/ bed
4. /bæd/ bad
5. /bʌd/ bud
6. /hɪstɒrɪk/ historic
7. /hɪst(ə)rɪ/ history
8. /dʒəʊk/ joke
9. /tʃek/ check