

## HW 2

1. What is an additive numeration system?
2. Write the following Hindu-Arabic numerals as Babylonian numerals:  
1-10, 18, 54, 85, 4029
3. Write the following Hindu-Arabic numerals as Mayan numerals:  
1-10, 18, 217, 415, 9895
4. Write the following Hindu-Arabic numerals as Egyptian hieroglyphic numerals:  
3, 9, 10, 56, 247, 3000001
5. Write the following Hindu-Arabic numerals as Roman numerals:  
2, 6, 9, 249, 1997, 2005
6. Do the following using each of the numeration systems discussed in class  
Wednesday:  $12+3$ ,  $49-14$ ,  $17\times 5$ ,  $63/21$ . Before simply finding the answer using  
the Hindu-Arabic numerals, try to do it in the numeration system. This will give  
you a feel for what the ancients had to work with.
7. What are pros and cons of the following numeration systems: Babylonian, Mayan,  
Egyptian hieroglyphics, Roman numerals?
8. Find out how numbers are represented in American Sign Language and Braille.  
Print the answers off the internet to turn in.
9. Give three examples of Roman numerals being used in your life.

Website with Babylonian symbols on it:

[http://www-groups.dcs.st-and.ac.uk/~history/HistTopics/Babylonian\\_numerals.html](http://www-groups.dcs.st-and.ac.uk/~history/HistTopics/Babylonian_numerals.html)

Website with Mayan symbols on it:

<http://www.michielb.nl/maya/math.html>

Sites for Egyptian Hieroglyphics:

<http://www.eyelid.co.uk/numbers.htm>

<http://www.greatscott.com/hiero/numbers.html>

Site about Roman numerals:

[http://www.novaroma.org/via\\_romana/numbers.html](http://www.novaroma.org/via_romana/numbers.html)