Here is a new number system. It is similar to the Mayan number system and uses only three symbols: dot, line, and oval. The numbers are written vertically. This system is a base twenty system. Here are a few numbers:

•	••	•••	••••	|	|•	|••	|•••	|••••	||
1	2	3	4	5	6	7	8	9	10

||•	||••	||•••	||••••	|||	|||•	|||••	|||•••	|||••••	⟨•⟩ (oval with dot)
11	12	13	14	15	16	17	18	19	20

21	22	23	24	25					30

35	40	45		50		100	200	300	

a) Give the following five base 10 numbers in the new system.

29   55   84   93   146

b) Translate the following **two** numbers into base 10:

c) Do the following **two** additions "directly" (**without** going through base 10). Give answers in "simplest" form.

d) Do the following **two** subtractions "directly" (**without** going through base 10).

e) What is the highest number that uses **two** places that would be written without moving to a new (third) position? Write this number in this system as well as translated into base 10.