MA 330 ASSIGNMENT # 0

Answers to problems may be handwritten.

(1) Write the numbers 56 and 305 in the Egyptian hieroglyphic numeral system.
(2) Without converting back to modern notation, show how you would add 56 and 305 in the Egyptian hieroglyphic numeral system.
(3) Without converting back to modern notation, show how you would subtract 56 from 305 in the Egyptian hieroglyphic numeral system.
(4) Using the method of Example 3.1 on page 88 of Crest of the Peacock, multiply 21×19.
(5) Write the numbers 305 and $2\frac{1}{10}$ in the Mesopotamian sexagesimal numeral system.
(6) Without converting back to modern notation, show how you would multiply 305 and $2\frac{1}{10}$ in the Mesopotamian sexagesimal numeral system.