

MA 330 ASSIGNMENT # 1

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.