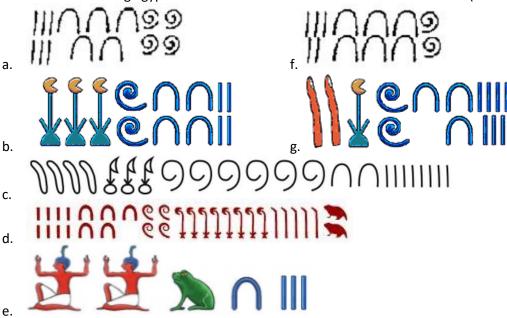
Instructions: Work problems on a separate sheet of paper and attach work to this page. You should show all work to receive full credit for problems. Checking your work with computer algebra systems is fine, but that doesn't count as "work" since you won't be able to use CAS programs on exams or quizzes. Sketch any graphs you obtain. Questions with compact answers can be recorded directly on this page. Graphs and longer answers that won't fit here, indicate which page of the work the answer can be found on and be sure to clearly indicate it on the attached pages.

1. Convert the following Egyptian numbers into standard Hindu-Arabic numerals (what we usually use!).



2. Write the following numbers in Ancient Egyptian.

a. 427

c. 59,300

b. 306,090

d. 7012

3. Convert the following Roman numerals into standard Hindu-Arabic numerals.

a. CLXXIII

c. MDXCVII

b. XIV

d. MCMXLIV

4. Convert the following numbers into Roman numerals.

a. 2861

c. 25,619

b. 749

a.

d. 6,402,524

5. Write the following Babylonian numbers in the Hindu-Arabic system.













6. Write the following numbers in the Babylonian system.

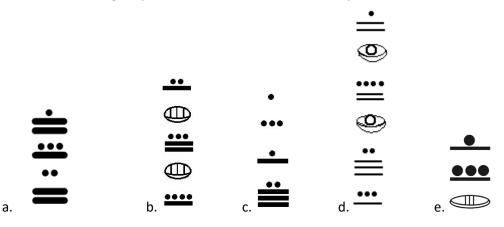
a. 12

b. 412

b. 43,205

c. 5190

7. Write the following Mayan numbers in the Hindu-Arabic system.



8. Write the following numbers in Mayan numerals.

a. 32

b. 151

b. 208

c. 4328

9. Convert each of the base-10 numbers to each of the following bases:

- i. Base-2 (Binary)
- ii. Base-6
- iii. Base-12 (Duodecimal)
- iv. Base-16 (Hexadecimal)
- v. Base-3 (Trinary)

a.	51	f. 874
b.	15	g. 3921
c.	89	h. 13,632
d.	147	i. 205,466
e.	292	j. 8,531,274

10. Convert the numbers in the indicated bases to base-10.

a.	34442_{five}	e. 88703 _{eleven}
b.	6185 _{nine}	f. 101110001 _{two}
c.	221012_{three}	g. 41533_{twelve}
d.	$CF1A87_{sixteen}$	h. 367 _{eight}