Assignment 2
Show all your work

Name: _____

Number: _____

Signature: _____

Score: ___/14

Problem 1: Write 8967 as a Kaktovik numeral.

0	1	2	3	4	5	6	7	8	9
ⵣ	\	v	ⴸ	w	⸌	⸝	ⴸ	ⴸ	ⴸ

10	11	12	13	14	15	16	17	18	19
>	⸝	⸝	ⴸ	ⴸ	≤	⸝	ⴸ	ⴸ	ⴸ

Score: /2

Problem 2: Express the Hindu-Arabic numeral 578 in Mayan numeral.

0	1	2	3	4	5	6	7	8	9
⬯	•	• •	• • •	• • • •	──	─•─	••	•••	••••

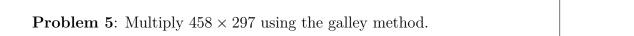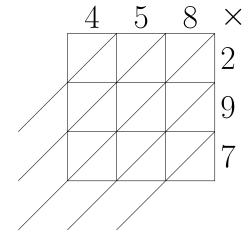| 10	11	12	13	14	15	16	17	18	19
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Score: /2

Problem 3: Translate the following Babylonian numeral to Hindu-Arabic numeral.

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Score: /2

Problem 4: Translate MCMLXIV to Hindu-Arabic numeral.

Score: /2

/8

Problem 5: Multiply 458×297 using the galley method.

$$
\begin{array}{ccccc}
 & 4 & 5 & 8 & \times \\
\end{array}
$$

4 5 8 ×

(galley grid) 2

9

7

Problem 6: Compute $2064371_8 - 360517_8$ using the two-line algorithm.

Problem 7: In the Dungeon Theatre of the Dragons, the seats are arranged 7 in a row to the left of the stage and 9 in a row to the right of the stage. Suppose the extended family of Fire Horse gathers to see a show in the Dungeon Theatre; if they all sit on the left of the stage, there are 3 members of the family without a seat. If they all sit on the right of the stage, there are 4 empty seats. Find the smallest possible number of seats the Dungeon Theatre may have.