**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_**

**ANSWER KEY**

**Worksheet 4**

**Complete the following problems using your Notes on Numeration Systems. Show your work when necessary.**

10

1. Fill in the blank: Hindu Arabic is base \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20

2. Fill in the blank: Mayan is base \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1000

3. Fill in the blank: Roman “M” equals \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1000

4. Fill in the blank: Egyptian “flower” equals \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

60

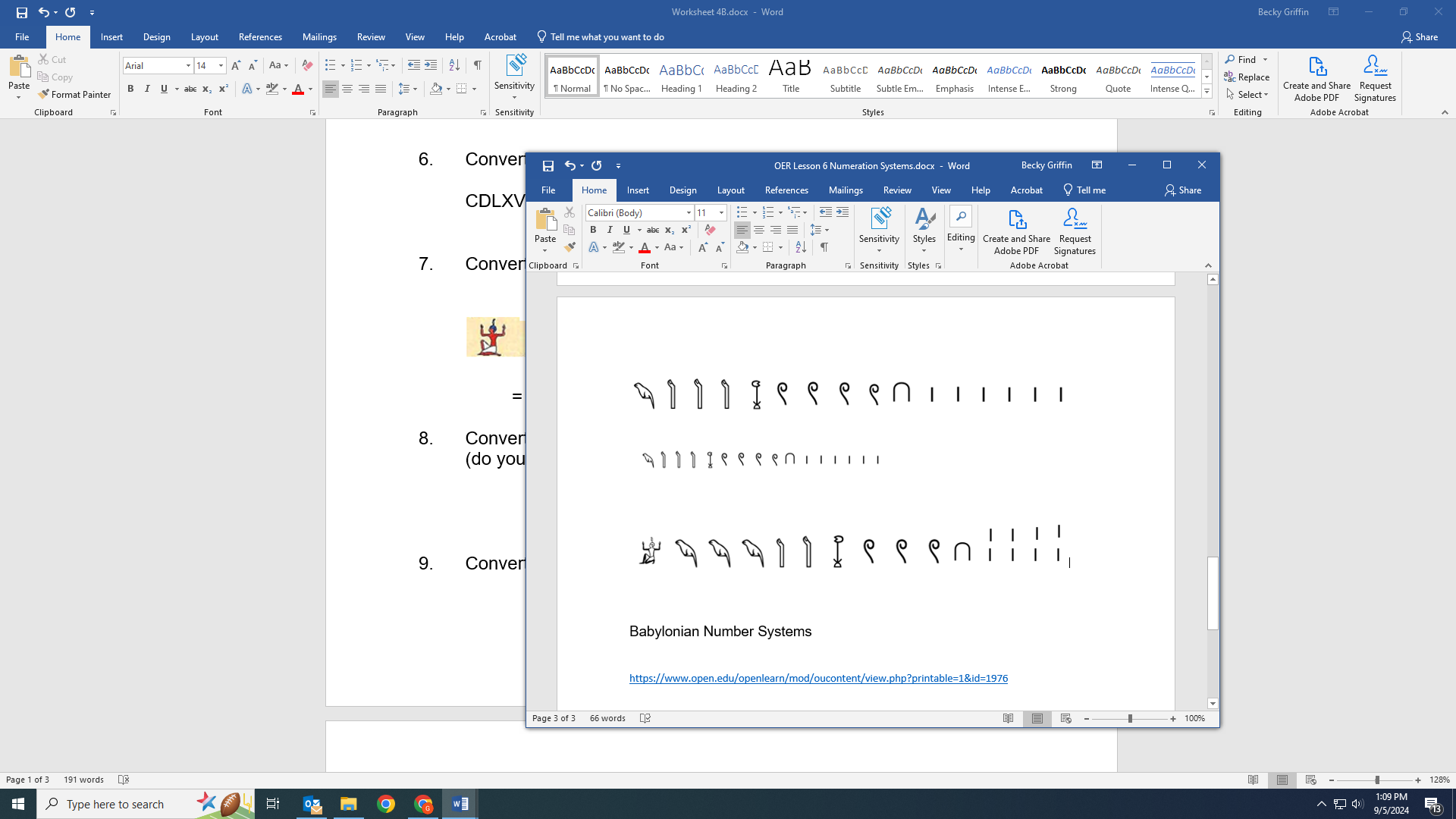
5. Fill in the blank: Babylonian is base \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. Convert the Roman numeral to Hindu Arabic.

466

CDLXVI = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. Convert the Egyptian numeral to Hindu Arabic.

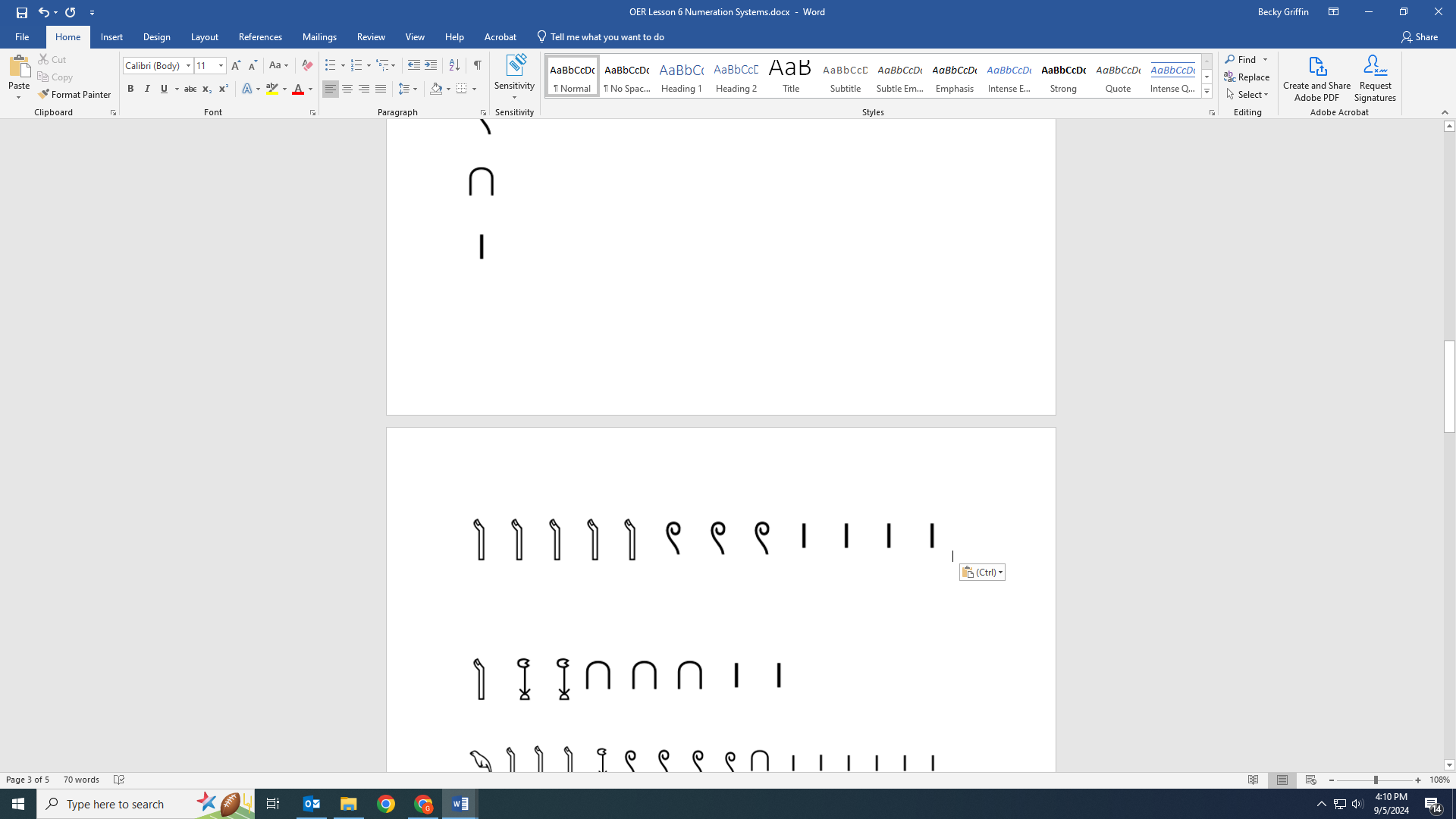


1,321,318

= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. Convert the Hindu Arabic number to Egyptian: 50,304

(Do your best drawing the symbols!)



9. Convert the Hindu Arabic number to Roman: 1965

MDCCCCLXV or MCMLXV

10. Given 32,628,689 with digit “2” underlined.

2,000,000

1. Value of underlined digit: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Millions

1. Place Value of underlined digit: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Write this number in words:

Thirty-two million, six hundred twenty-eight thousand, six hundred eighty-nine

1. Write this number in expanded notation with exponents:

3x107+2x106+6x105+2x104+8x103+6x102+8x101+9x100

1. Write this number in expanded notation without exponents:

3x10,000,000 + 2x1,000,000 + 6x100,000 + 2x10,000 + 8x1,000 + 6x100 + 8x10 + 9x1

1. Round this number to the hundred-thousands place:

32,600,000

1. Round this number to the thousands place:

32,629,000

1. Round this number to the millions place:

33,000,000

1. Round this number to the tens place:

32,628,690