

Real Quiz # 1 for Dr. Z.'s MathHistory

NAME: (print!) _____

E-MAIL ADDRESS: (print!) _____

1. (1 points) What are the names of the two papyri that gave us the most information about the math of ancient Egypt?

2. (2 points) What was the Egyptian formula for the area of a circle with diameter d ? What was the implied value of π ?

3. (2 points) What was the Egyptian formula for the volume of the frustum of a square pyramid for which a and b are the lengths of the sides of the squares, and h is the height?

What was the implied value of π ?

4. (2 points) Convert one thousand and one (base ten) to base thirteen. Use the following abbreviations for the digits that represent our ten, eleven, and twelve

ten=A , eleven=B, twelve=C

5. (3 points) Find the two smallest positive integers n , that have the property that

- If you divide n by 6 you get remainder 5 .
- If you divide n by 7 you get remainder 6 .