

Name: \_\_\_\_\_

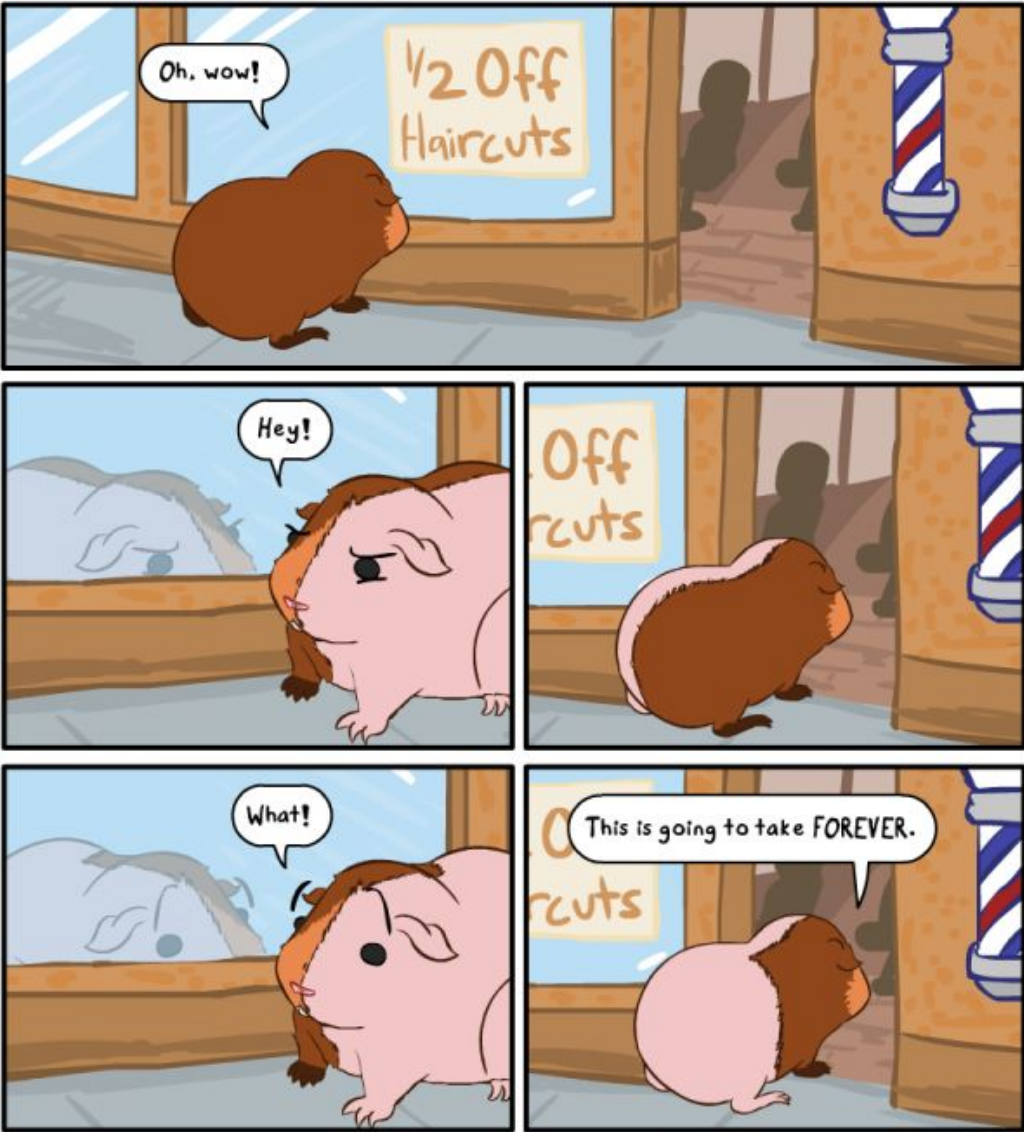
Score: \_\_\_\_\_

1. What is the difference between a sequence and a series?

2. Does the following geometric series converge? If it does, find its value.

(a)  $2 + \frac{2}{3} + \frac{2}{9} + \frac{2}{27} + \cdots$

(b)  $\sum_{n=1}^{\infty} \left(\frac{\pi}{e}\right)^n$



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