

Math 101 – Exam 1, Tu-Th

Name \_\_\_\_\_

Part 1: Short answer (2 pts. each) - Write the word/phrase described.

1. He outlined a 4-step method of problem solving in his book, "How to Solve It." (George) Polya
2. Founding Father who willed £1000 to Philadelphia and Boston to be used as a loan fund for 100 years for tradesmen (small business start-ups). (Ben) Franklin
3. The future value of an account is typically greater than the \_\_\_\_\_ because interest is added. Present value or Principal
4. If the minimum payment on a credit card is not made, a \_\_\_\_\_ may be assessed. late fee or penalty APR
5. The average daily balance on a credit card is used to calculate \_\_\_\_\_. finance charge or interest
6. An oversized payment due at the end of a mortgage or other amortized loan. Balloon payment
7. A loan allowing older homeowners to stay in a home without making monthly payments. reverse mortgage
8. A mortgage whose rate of interest is changed periodically to reflect market conditions. adjustable rate mortgage
9. A sequence of regular payments into or out of an account. annuity
10. Payments for amortized loans are most commonly made every \_\_\_\_\_ (what time period?) month
11. Points in a (graph theory) graph which are connected by edges. vertices
12. A graph is \_\_\_\_\_ if all edges can be traced continuously, with no edge traced more than once. traversable or Euler trail/circuit
13. For a trail to "flow through" a vertex without starting or stopping, the degree of the vertex must be \_\_\_\_\_. even
14. The town with 7 bridges, from which Euler formulated his principles of graph theory. Konigsberg
15. A word which rhymes with Euler. boiler, spoiler ---

