Name: Date: Tuesday, December 13, 2016

MATH 181 F1 Worksheet: Final Exam Review Topics

Know definitions, do practice homework, and review old quizzes and exams!

Graph Theory

- Euler Circuits

- Hamiltonian Circuits

- Traveling Sales Person

- Minimum Cost Spanning Trees

- Know the Algorithms

Coding Theory

- Circle Diagram Method

- Huffman Encoding

- Nearest-Neighbor Decoding

Ciphering

- Modular Arithmetic

- Caesar Cipher

- Decimation Cipher

- Vigenère Cipher

Voting Theory

- Condorcet's Method

- Plurality Voting

- Borda Count

Game Theory

- Knaster's Inheritance Procedure

- Cake Division

- Maximin/Minimax Strategy

- Total-Conflict Games

- Partial-Conflict Games

Geometry

- Regular Tilings

- Interior Angles

- Translation Criterion

- Platonic Solids

- Euler's Formula