AMDM – Unit 7

Euler Circuits / Paths, Weighted Graphs, Hamiltonian Circuits / Paths Assignment

\*\*You will create 3 Euler Circuits / Paths, 1 Weighted Graph, and

 3 Hamiltonian Circuits / Paths Diagrams Booklet / Pamphlet \*\*

You will use your notes from these lessons to create the diagrams.

1) You must include the degrees of each diagram

2) You must include the Algorithm for each diagram

3) You must label what each of the 7 diagrams are, to include the

Vertices, the Degree’s of each vertex, & the Algorithm or Algorithm’s

4) Are there more than 1 solution or algorithm path

5) Describe or provide the definitions of an Euler Path & Euler Circuit

6) Describe or provide the definitions of a Hamiltonian Path & Hamiltonian Circuit

You will need a Title and your name of the front of the assignment.

Be creative and colorful.

DUE TODAY!!

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

Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_