

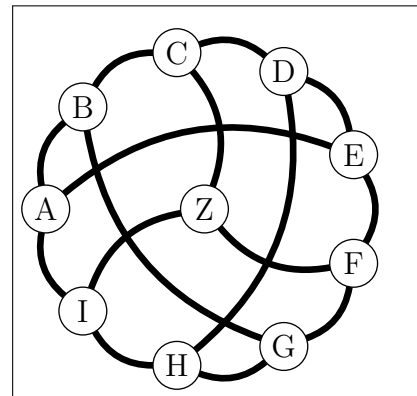
Name: _____

MA111
Ch. 5 Quiz
2011-10-14

1. Label the vertices of the graph with their degree.

(a) Vertex Set (in alphabetical order):

(b) Edge Set (in alphabetical order):



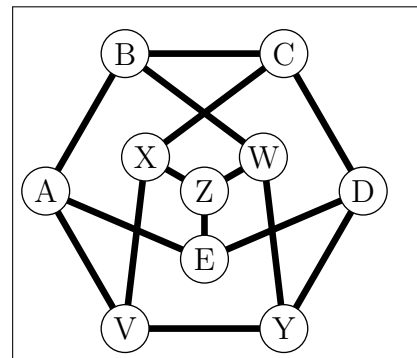
(c) Number of edges:

(d) Total degree:

2. Label the vertices of the graph with their degree.

(a) Vertex Set (in alphabetical order):

(b) Edge Set (in alphabetical order):



(c) Number of edges:

(d) Total degree:

3. Draw a graph with vertex set $\{A, B, C, D, E, F\}$ and degrees 5, 5, 4, 3, 3, 2.
(a) Does it have an Euler circuit or an Euler path?

4. Draw a graph with 9 vertices, all with degree 4.
(a) Does it have an Euler circuit?