

Attendance Quiz for Lecture 7

NAME: (print!) _____

E-MAIL ADDRESS: (print!) _____

1. What does it mean for a graph to be **Hamiltonian**?

2. Prove that if G is a simple graph with at least three vertices, and if

$$\deg(v) + \deg(w) \geq n - 1,$$

for each **non-adjacent** vertices v and w , then G is Hamiltonian.