QUIZ 2: CHAPTER 2 FEBRUARY 21

Name: _____

	answers should be fully justified. applete this quiz without any aids, including the text or your peers.
(The Ir show and	sider the statement "if G is connected and every vertex in G is even, then G is Eulerian." e domain for G is the set of all graphs.) In each proof technique, write down what you assume to be true and what you then must be in order to prove the statement. [You are not expected to know what the statement means, therefore are not asked to complete a proof the statement.] Direct proof Assume that
	Our goal is
(b)	Proof of the contrapositive Assume that
	Our goal is
(c)	Proof by contradiction Assume that
	Our goal is

(2) Prove that the sum of a rational number and an irrational number is always irrational.