KEY	
MTH 151, Quiz #3, Fall 2017 Name	t a semplete
Instructions: Show all work. Use exact answers unless specifically as	ked to round. Be sure to complete
all parts of each problem.	
1. Write each statement as the form "if p , then q ". a. Legs of three and four imply a hypotenuse of five.	p=There are legg of 3 3 4 g = There is a hypotenuse of 5
P-38	g = There is a hypornish of
b. No irrational numbers are rational.	p= it is an irvational to
~P-78	
c. The grass will be greener when we are on the other	La live Arrong Con
8-3 b	g = we are on the other Side
2. Write the converse of "If the Kings go to the playoffs, the	en pigs will fly". Converse
P	g converse g-7P
if pigs fly, then the kines go &	The playoffs.
3. Use either a truth table or an Euler diagram to determi	ne the validity of the following
argument. If Dr. Hardy is a department chairman, then he lives in A	Atlanta.
He lives in Atlanta and his first name is Larry.	
Therefore, if his first name is Larry, then he is not a dep	artment chairman.
P->8	p = Dr. Hardy(he) is a departor Chairman. g = he lives in Allanta
gnh	g = he lives in Allanta
h →~P	In = his first name is Larry
P18 h P78 BAh (D-78) 1 (g1h) / ~P/	n-7~P
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