	HW#3-	Quizk	wws	1312
<ol> <li>What is the converse of the statement, "If a strawberry is red, then it is ripe"?</li> <li>What is the inverse of the statement, "If you can sing, then you can go with Sarah'</li> </ol>	HW#3-	1-4,	6, 9-11	, 17/19, 14
3. Which statement has a true converse?		Jextbook	0138	
). If a vehicle is a car, then it has four wheels.		,	1	. 10
B. If you go to Asia from the United States, then you cross an ocean.		ž	,4-7,1	0-12
C. If you own a dog, then your pet is furry.  D. If you can stand up, then you can walk.	•		,	
E. None of these				
<ul> <li>4.Which of the following is the contrapositive of the statement, "If two angles are rig congruent."? Is it true or false?</li> <li>A. If two angles are congruent, then they are right angles.</li> <li>B. If two angles are right angles then they are congruent. If two angles are congruent measure. Therefore, if two angles are right angles, then they have the same measure.</li> <li>C. If two angles are not congruent, then they are not right angles.</li> </ul>	t then they have		ar I	
D. If two angles are not right angles, then they are not congruent.				
5. Which property justifies the statement? If 4AB=8CD, then AB=2CD.				
6. What conclusion can you draw from the following two statements?				
If you have a job, then you have income.				
If you have an income, then you must pay taxes.				÷
7. Which property justifies the statement? If 4x=16, then 16=4x.		•		
8. The Transitive Property of Equality justifies which statement below?				
A. If y-17=g, then y=g+17.  B. If AM=RS, then RS=AM.				741
C. If $5(3a-4)=120$ , then $15a-20=120$ . D. If $\angle J \cong \angle R$ and $\angle R \cong \angle H$ , then $\angle J \cong \angle H$	I. j	E.∠M≅∠M		
J. Give the inverse of the statement: If you study in front of the TV, then you do not so	ore well on exar	ns. T/F?		
10. What is the contrapositive of the following conditional statement? If Peg serves pudding, then it is not Laura's birthday.			-2	
11. What conclusion can you draw from the following two statements? f a person does not get enough sleep, that person will be tired. Evan does not get enough sleep.				
2. Give the property that justifies each step of the following algebraic equation. Is thi	:] . ]	1		
easoning? $4(x-5)+8=-2x+17$ 4x-20+8=-2x+17	is deductive or i	nductive		
4x - 20 = -2x + 9				
4x - 29 = -2x				
-29 = -6x				
29/6 = x			٠	
X = 29/6  3. A. Inductive reasoning leads to a generalization called a	This can be	nyayyad ta ba	ě	•
correct if a can be found				
reasoning uses facts, logic, and/or evidence to advance an argu-	iment to a valid	conclusion.		
athematically this conclusion is called a				
In a mathematical proof, the premises that can be used to justify statements are post, or proved	ulates,			
A postulate is:				
Inductive or deductive and how do you know? A. Ellen conducted an experiment on test scow much time they studied for their last math test and what their score was. She noticed that pudying made higher scores. She concluded that studying longer gets higher grades. Jenna lost her jacket this morning. She remembers having it in Spanish 2 <sup>nd</sup> period. It's 4 <sup>th</sup> periot to her locker after 3 <sup>nd</sup> period. Therefore she needs to check her locker and her 2 <sup>nd</sup> and 3 <sup>nd</sup> period.	eople who spent r	nore time		