## Quiz #3

Name:	Marker's name:	
Instructions to student: Using pen, write your answers in the space provided and leave the right column blank. Instructions to marker: Write only in the right column, and clearly indicate the mark you believe is deserved in each category. Write the total in the provided blank.		
Prove the following statement about sequences of $[(a_1 \geq 1) \land (\forall i \in \mathbb{N}, a_{2i} \geq 2a_i)] \Rightarrow (\exists i \in \mathbb{N}, a_i)$ Justify each step of your proof by indicating the "math" if you're only using general mathematical	$\geq 5$ ) rule you're using, or by writing	For marking only:  5 marks: 2 for structure 2 for correctness 1 for justification  Proof Structure: 0 = improper 1 = somewhat right 2 = right, can use to prove statement  Argument Correctness: 0 = not convincing 1 = halfway there (minor flaws) 2 = convincing  Justification: 0 = often wrong 0.5 = sometimes 1 = easy to read
		Total: