Names:	

COMPSCI 250 Discussion #1: What is a Proof? Group Response Sheet

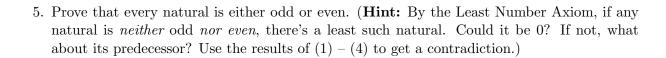
David Mix Barrington and Ghazaleh Parvini 13 September 2023

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Vriting Exercises:								
1. Prove that if x is an even natural, x 's predecessor (if it has one) is odd.								
2. Prove that if x is an odd natural, x 's predecessor is even.								

3. Prove that if x's predecessor is odd, then x is even.

4.	Prove	that	if	x's	predecessor	is	even,	then	x	is	odd.



6. Prove that no natural is both odd and even. (Similar to (5) – get a contradiction by assuming some natural is both.)