abl Home we	ork 2
Homework 2 Let n be an odd number. Prove that 3n	
to hapte that so is not odd	
Statement	Beason
Let n be odd	Guen
Contradiction: 3n 15 even	
50 $2/3n$ $2/5 = 3n - 8h_1, i,$	By defn of wer
The when multiplied by 2	
gives 4530 & NEOdd	
3n=2K KEZ	By defor of wer & committable nabye
Son has	
2/n-> Since n'is odd 2-xn	By defn of even
Now Back frack	
Since 2 /n. 3n + 2k	

Py: let n be an odd number s.t 3n & Odd By Controliction 3n & Even s.t 215=3n 5.t 21n. Since 21n 3n +2k implying that 3n is not even home Odd