MAT-255- Number Theory	Spring 2024	In Class Work January 17
Your Name:	Group Members:	
In-class Problem 1 Prove		
Theorem (Ernst, Theorem 2.2). If n i	s an even integer, then n^2 is ev	en.

Wait for more lecture before proceeding to the back

In-class Problem 2 Prove

Theorem (Strayer, Proposition 1.2). Let $a,b,c,m,n\in\mathbb{Z}$. If $c\mid a$ and $c\mid b$ then $c\mid ma+nb$.