

Let's try another

even

odd

For all

if

then



let's try another

Theorem

For all integers m and n , if m and n are odd, then $m+n$ is even.



- Find the **formal definitions** for any terms in the theorem:
 - an integer n is called **even** if there is an integer k where $n = 2k$
 - an integer n is called **odd** if there is an integer k where $n = 2k + 1$
- What is the grammatical structure of the theorem?
 - **For all** integers m and n , **if** m and n are odd, **then** $m+n$ is even.

Theorem

For all integers m and n , if m and n are odd, then $m+n$ is even.

