let's try another

even

odd

For all if then


PROVE IT

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.

let's try another

Theorem

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