

1. The sum of two throddodd integers is throdd.

2. If $p|(s + t)$ and $p|s$, then $p|t$.

3. For any $n \in \mathbb{N}$, with $n \geq 1$,

$$\sum_{i=1}^n i = \frac{n(n+1)}{2}$$

4. Determine whether a statement and its contrapositive are logically equivalent.

5. $\sqrt{2}$ is irrational.