1)
$$(2n+1) = n(n+2) \longrightarrow (2.1+1) = 1(1+2)$$

3 = 3 \langle

2)
$$(2n+1)=n(n+2) \rightarrow (2k+1)=(k(k+2))$$

3)
$$(2k+1)+(2n+1)=n(n+2)$$

1+2+3+ ... + (4n+1) = n(2n+3)

1)
$$(4n+1) = n(2n+3) \rightarrow (4.1+1) = 1(2.1+3)$$

 $5 = 5 \checkmark$