**Algebraic Proofs Starter**

Match the statements to the algebraic expressions.

|  |  |
| --- | --- |
| Even number | $$4n+4$$ |
| Odd number | $$1$$ |
| Sum of an odd and an even number | $$4n+1$$ |
| Sum of two consecutive even numbers | $$4n+2$$ |
| Sum of two consecutive odd numbers | $$4n²+4n$$ |
| Product of an odd and an even number | $$2n$$ |
| Product of two consecutive even numbers | $$4n²+4n+1$$ |
| Product of two consecutive odd numbers | $$4n²+2n$$ |
| Difference of two consecutive numbers | $$4n²$$ |
| Sum of two consecutive numbers | $$2n+1$$ |
| Square of an odd number | $$4n²+8n+3$$ |
| Square of an even number | $$2n+1$$ |