**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** |