

Fibonacci Sequence

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To determine if Cassini's identity holds, I created a for loop for the Fibonacci sequence and for Cassini's. I realized that the identity still holds if the initial terms are different numbers because you will still get outputs of -1 and 1. Using Cassini's identity, I put in the Fibonacci numbers for my initial terms and it proves that the equations still hold. If you do not use the exact Fibonacci sequence, then it will not hold.