







The first term of a sequence is 5 and the common difference is 3.

Write the explicit equation for the pattern.

Find the 8th term of the sequence

Find the sum of the first 8 terms



What is the initial amount of bacteria present?

How much bacteria is there after 11 hours?

Write a summation notation.

Jerry does 3 crunches the first day, 6 the second day, and 12 the third day. Write using summation notation how many crunches Jerry will do from day 1 to day 20. If Johnny deposits \$300 compounding monthly at a 3.5% interest rate, how much money will he have after 5 years? Jillian deposits \$5000 into an account compounding continuously at a 4.3% interest rate. How much money will she have after 7 years?



How long will it take for a \$4500 investment to reach \$6000 compounding continuously at a 4.9% interest rate?







