nth term (A)

nth term	Find a term in a sequence	Is a number in a sequence
35, 40, 45, 50 ... $5n+30$	Find the 6th term in the sequence $2n + 5$ $2(6)+5$ $=17$	Is 45 in the sequence $3n - 4$? $3n-4=45$ $3n=45+4$ $3n=49$ $n=\frac{49}{3}$ $n=16.\dot{3}$ No
3, 1, -1, -3 ... $-2n+5$	Find the 12th term in the sequence $4n - 5$ $4(12)-5$ $=43$	
19, 15, 11, 7 ... $-4n+23$	Find the 25th tern in the sequence $-n - 10$ $-(25)-10$ $=-35$	Is 104 in the sequence $-10n + 164$? $-10n+164=104$ $164-104=10n$ $60=10n$ $\frac{60}{10}=n$ $6=n$ Yes
-20, -18, -16, -14 ... $2n-22$	Find the 11th term in the sequence $7n - 9$ $7(11)-9$ $=68$	
17, 27, 37, 47 ... $10n+7$	Find the 7th term in the sequence $5n + 3$ $5(7)+3$ $=38$	Is 73 in the sequence $-4n + 150$? $-4n+150=73$ $150-73=4n$ $77=4n$ $\frac{77}{4}=n$ $19.25=n$ No
-6, -12, -18, -24 ... $-6n$	Find the 20th tern in the sequence $-2n + 12$ $-2(20)+12$ $=-28$	
-8, -17, -26, -35 ... $-9n+1$	Find the 13th term in the sequence $-n + 4$ $-(13)+4$ $=-9$	Is 120 in the sequence $4n + 40$? $4n+40=120$ $4n=120-40$ $4n=80$ $n=\frac{80}{4}$ $n=20$ Yes
100, 106, 112, 118 ... $6n+94$	Find the 100th term in the sequence $-5n - 12$ $-5(100)-12$ $=-512$	

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