**Arithmetic Sequences Revision**

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| **(a)** | **(b)** | **(c)** | **(d)** |
| Find the $nth$ term of the sequence$$11, 15, 19, 23,…$$ | Find the $nth$ term of the sequence$$2, 9, 16, 23,…$$ | Find the $nth$ term of the sequence$$9, 6, 3, 0,…$$ | Find the $nth$ term of the sequence$$-3, -5.5, -8, -10.5,..$$ |
| **(e)** | **(f)** | **(g)** | **(h)** |
| The nth term of a sequence is $5n+3$. Find the $(n+1)th$ term of the sequence. | Find the $(n+1)th$ term of the sequence$$7, 10, 13, 16,…$$ | The third term of an arithmetic sequence is $11$. The tenth term of the sequence is $32$. Find the first term of the sequence. | The fifth term of an arithmetic sequence is $-2$. The twelfth term of the sequence is $-12.5$. Find the first term and the common difference. |
| **(i)** | **(j)** | **(k)** | **(l)** |
| Find the sum of the first 20 terms of the arithmetic series with first term $5$ and common difference $4$. | Find the sum of the first 50 terms of the arithmetic series which starts $7, 4, 1, -2,…$ | An arithmetic series starts$2, 5, 8,..$ and has a last term $149$. Find the number of terms in the sequence. | Find the sum of the first$ 40$ odd numbers. |