Given the first term and the common difference of an arithmetic sequence find the first five terms and the explicit formula.


Given a term in an arithmetic sequence and the common difference find the first five terms and the explicit formula.


Given a term in an arithmetic sequence and the common difference find the recursive formula and the three terms in the sequence after the last one given.

10) $\mathrm{a}_{21}=-1.4, \mathrm{~d}=0.6$

1) $\mathrm{a}_{1}=-38, \mathrm{~d}=-100$

First Five Terms:-38,-138,-238,-338,-438,
Explicit: $\mathrm{a}_{\mathrm{n}}=62-100 \mathrm{n}$
3) $a_{1}=24, d=2$.

First Five Terms: 24, 26, 28, 30, 32, Explicit:
$\mathrm{a}_{\mathrm{n}}=22+2 \mathrm{n}$
5) $\mathrm{a}_{38}=-53.2, \mathrm{~d}=-1.1$

First Five Terms: - 12.5, - 13.6, - 14.7, - 15.8, - 16.9, Explicit: $\mathrm{a}_{\mathrm{n}}=11.4-1.1 \mathrm{n}$
7) $\mathrm{a}_{37}=249, \mathrm{~d}=8$

First Five Terms:- 39,-31,-23,-15,-7, Explicit:
$a_{n}=-47+8 n$
9) $\mathrm{a}_{12}=28.6, \mathrm{~d}=1.8$

Next 3 terms:30.4, 32.2, 34, Recursive:
$\mathrm{a}_{\mathrm{n}}=\mathrm{a}_{\mathrm{n}-1}+1.8, \mathrm{a}_{1}=8.8$
2) $a_{1}=-15, d=-5$

First Five Terms: - 15, - 20, - 25, - 30, - 35, Explicit: $a_{n}=10-5 n$
4) $a_{1}=18, d=10$

First Five Terms: 18, 28, 38, 48, 58, Explicit:
$\mathrm{a}_{\mathrm{n}}=8+10 \mathrm{n}$
6) $\mathrm{a}_{40}=1191, \mathrm{~d}=-30$

First Five Terms: - 21, - 51, - 81, - 111,- 141,
Explicit: $a_{n}=9-30 n$
8) $a_{18}=27.4, d=1.1$

Next 3 terms:28.5, 29.6, 30.7, Recursive:
$a_{n}=a_{n-1}+1.1, a_{1}=8.7$
10) $\mathrm{a}_{21}=-1.4, \mathrm{~d}=0.6$

Next 3 terms:- 0.8, - 0.2, 0.4, Recursive:
$\mathrm{a}_{\mathrm{n}}=\mathrm{a}_{\mathrm{n}-1}+0.6, \mathrm{a}_{1}=-13.4$

