Determine if the sequence is arithmetic. If it is, find the common difference.

1) $35,32,29,26, \ldots$
2) $-34,-64,-94,-124, \ldots$
3) $-7,-9,-11,-13, \ldots$

Find the first five terms. Then find the indicated term.
7) $a_{n}=-11+7 n$
Find $a_{34}$
9) $a_{n}=-7.1-2.1 n$
Find $a_{27}$

Given the arithmetic sequence, find the first five terms. Then find the equation of the sequence.
11) $a_{1}=28, d=10$
13) $a_{1}=-34, d=-10$
15) $a_{38}=-53.2, d=-1.1$
17) $a_{37}=249, d=8$

Evaluate the related series of each sequence.

1) $13,15,17,19,21,23$
2) $22,28,34,40,46$

Evaluate each arithmetic series described.
5) $\sum_{k=1}^{35}(5 k-2)$
10) $\sum_{n=1}^{45}(3 n-9)$
11) $a_{1}=42, a_{n}=146, n=14$
13) $a_{1}=2, a_{n}=122, n=13$
15) $20+27+34+41 \ldots, n=16$
17) $7+9+11+13 \ldots, n=10$

Determine the number of terms $n$ in each arithmetic series.
19) $a_{1}=19, a_{n}=96, S_{n}=690$
25) $(-2)+(-12)+(-22)+(-32) \ldots, S_{n}=-224$

