Find the term named in the problem, the explicit formula, and the recursive formula.

1) 22, 25, 28, 31, ...
Find a_{30}

2) −5, −12, −19, −26, ...
Find a_{24}

3) 33, 38, 43, 48, ...
Find a_{22}

4) −6, 4, 14, 24, ...
Find a_{27}

5) 3, −7, −17, −27, ...
Find a_{22}

6) 19, 9, −1, −11, ...
Find a_{34}

Given two terms in an arithmetic sequence find the term named in the problem and the explicit formula.

7) $a_{14} = 418$ and $a_{37} = 1108$
Find a_{24}

8) $a_{19} = -20$ and $a_{35} = -52$
Find a_{23}

9) $a_{15} = 176$ and $a_{30} = 326$
Find a_{36}

10) $a_{18} = -194$ and $a_{40} = -414$
Find a_{21}

Find the term named in the problem, the explicit formula, and the recursive formula.

11) −2, −4, −8, −16, ...
Find a_{12}

12) −2, −10, −50, −250, ...
Find a_{9}

13) 2, 6, 18, 54, ...
Find a_{9}

14) $-1, \frac{2}{3}, -\frac{4}{9}, \frac{8}{27}, \ldots$
Find a_{12}

15) 1.5, −3, 6, −12, ...
Find a_{10}

16) −1, 2, −4, 8, ...
Find a_{12}

17) −1, 3, −9, 27, ...
Find a_{10}

18) $-4, 2, -1, \frac{1}{2}, \ldots$
Find a_{12}