Use the given formula to write the first five terms of each of the following sequences.

1. $a_{1}=5 ; a_{n+1}=a_{n}+3$
5, 8, 11, 14, 17
2. $a_{1}=5 ; a_{n+1}=3 a_{n}$
$5,15,45,135,405$
3. $a_{n}=3 n+5$
$\underline{8,11,14,17,20}$
4. $\mathrm{a}_{\mathrm{n}}=3^{\mathrm{n}}$

3, 9, 27, 81, 243

Write a recursive formula for each of the following sequences.
9. $3,6,9,12, \ldots$

$$
a_{1}=3 ; a_{n+1}=a_{n}+3
$$

12. $2,4,8,16,32, \ldots$

$$
a_{1}=2 ; a_{n+1}=2 a_{n}
$$

Write an explicit formula for each of the following sequences.
14. $7,11,15,19, \ldots$

$$
a_{n}=4 n+3
$$

16. $2,4,8,16,32, \ldots$

$$
a_{n}=2^{n}
$$

