MC Practice What is the 19th to be the first term is 4 and each term after the first is 7 more than the previous term. What is the 12^{lh} term of the sequence?

$$Q_{12} = 4 + (1107) = 4+77 = 81$$

2. Find the 25th term of the sequence 7, 11, 15, 19, 23, ...

$$Q_{25} = 7 + (\lambda 4.04)$$

= $7 + 96$

a.
$$51+(n-1)6$$

c.
$$31+(n-1)6$$

b.
$$51+(n-1)5$$

(d.)
$$31+(n-1)5$$

$$=-28$$

d = -6

5. What are the first four terms in the sequence whose nth term is
$$a_n = (-2)^n + 1$$

$$-2^n + 1 \quad (-2)^2 + 1 \quad (-2)^3 + 1 \quad (-2)^4 + 1$$

6. The 8th term of an arithmetic sequence is 36. If the common difference is 2, what is the first term in the sequence? 18 = 0 + (8-1)2

$$18 = 9170$$
 $36 = 91714$
 $= 22$