1. The nth term of a number sequence is given by $4n - 1$.

   (a) Is 118 a term of this number sequence?
       Show how you get your answer.

   1. . . . .

2. The nth term of a sequence is given by $8n + 1$.

   (a) Is 97 a term of this number sequence?
       Explain how you get your answer.

   2. . . . .

3. The nth term of an arithmetic sequence is given by $6n + 3$.

   (a) Is 104 a term of this sequence?
       Explain how you get your answer.

   3. . . . .

Answers:

1) No AND method to solve $4n - 1 = 118$, when $n = 29$ gives $4n - 1 = 115$, not 118

2) Yes and method to solve $8n + 1 = 97$, must show $n = 12$

3) No AND method to solve $6n + 3 = 104$, when $n = 16$ gives $6n + 3 = 99$ not 104