8 **(a)** The nth term of a sequence is given by $3n + 5$.

Explain why 21 is not a term in this sequence.

….....

…..... **[2]**

(b) Here are the first three terms in a sequence.

1 2 4

This sequence can be continued in different ways.

(i) Find one rule for continuing the sequence and give the next two terms.

Rule 1.....

Next two terms …..... …..... **[2]**

(ii) Find a second rule for continuing the sequence and give the next two terms.

Rule 2.....

Next two terms …..... …..... **[2]**