

## Generate a Sequence from the $n$ th Term

- 1) The  $n$ th term of a number sequence is  $2n + 5$   
Write down the first three terms of the sequence.
  
- 2) The  $n$ th term of a number sequence is  $3n - 1$   
Write down the first four terms of the sequence.
  
- 3) The  $n$ th term of a number sequence is  $3n + 2$   
Write down the first four terms of the sequence.
  
- 4) The  $n$ th term of a number sequence is  $5n - 7$   
Write down the first four terms of the sequence.
  
- 5) The  $n$ th term of a number sequence is  $n^2$   
Write down the first three terms of the sequence.
  
- 6) The  $n$ th term of a number sequence is  $n^2 + 3$   
Write down the first three terms of the sequence.
  
- 7) The  $n$ th term of a number sequence is  $11 - n^2$ 
  - a) Find the third term of this sequence.
  - b) Find the fifth term of this sequence.
  
- 8) The  $n$ th term of a number sequence is  $n^2 + n$ 
  - a) Find the third term of this sequence.
  - b) Find the fifth term of this sequence.