

### Linear and Exponential Functions 1

**Example 1** Predict the next 2 terms in the sequence. State whether the sequence is arithmetic, geometric or neither. Justify your answer.

(i) 1, 3, 5, 7, ...

(ii) 800, 400, 200, 100, ...

(3) 8, 88, 888, 8888, ...

(iv) -55, 55, -55, 55, ...

(v) -8, -7, -6, -5, ...