**Limit of a Sequence**

Find the limits of these sequences as

(a) (b)

(c) (d)

(e) (f)

Find the limits of these sequences as

(a) (b)

(c) (d)

(a) A sequence starts

Find the nth term for this sequence and the limiting value as .

(b) A sequence starts

Find the nth term for this sequence and the limiting value as .

(a) A sequence with nth term has a limiting value of as . Work out the value of .

(b) A sequence with nth term has a limiting value of as . Work out the value of .

**Limit of a Sequence**

Find the limits of these sequences as

(a) (b)

(c) (d)

(e) (f)

Find the limits of these sequences as

(a) (b)

(c) (d)

(a) A sequence starts

Find the nth term for this sequence and the limiting value as .

(b) A sequence starts

Find the nth term for this sequence and the limiting value as .

(a) A sequence with nth term has a limiting value of as . Work out the value of .

(b) A sequence with nth term has a limiting value of as . Work out the value of .