

# SEQUENCES and SERIES on the CALCULATOR

A) To generate a list of terms in a sequence.

## TI 83/84

Press  $\boxed{2^{\text{nd}}}$   $\boxed{\text{LIST}}$

► OPS

Select: seq(

Enter parameters

(expression, variable, begin, end, [,step])

Press  $\boxed{\text{ENTER}}$

## TI 85/86

Press  $\boxed{2^{\text{nd}}}$   $\boxed{\text{MATH}}$

The menu keys will then be labeled in the following way.

$\boxed{\text{NUM}}$   $\boxed{\text{PROB}}$   $\boxed{\text{ANGLE}}$   $\boxed{\text{HYP}}$   $\boxed{\text{MISC}}$

Press  $\boxed{\text{F5}}$

Press  $\boxed{\text{F3}}$

Enter parameters

(expression, variable, begin, end, [,step])

Press  $\boxed{\text{ENTER}}$

## TI 89/92

Press  $\boxed{2^{\text{nd}}}$   $\boxed{\text{MATH}}$

3: List

1: Seq

Enter parameters

(expression, variable, begin, end, [,step])

Press  $\boxed{\text{ENTER}}$

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B) To find the sum of the terms in a sequence.

## TI 83/84

Press  $\boxed{2^{\text{nd}}}$   $\boxed{\text{LIST}}$

► MATH

Select: sum(

Press  $\boxed{2^{\text{nd}}}$   $\boxed{\text{LIST}}$

► OPS

Select: seq(

Enter the sequence as in (A)

Press  $\boxed{\text{ENTER}}$

## TI 85/86

Press  $\boxed{2^{\text{nd}}}$   $\boxed{\text{MATH}}$

Press  $\boxed{\text{F5}}$

Press  $\boxed{\text{F1}}$

Press  $\boxed{\text{F3}}$

Enter the sequence as in (A)

Press  $\boxed{\text{ENTER}}$

## TI 89/92

Press  $\boxed{2^{\text{nd}}}$   $\boxed{\text{MATH}}$

3: List

6: Sum

Press  $\boxed{2^{\text{nd}}}$   $\boxed{\text{MATH}}$

3: List

1: Seq

Enter the sequence as in (A)

Press  $\boxed{\text{ENTER}}$