

















If
$$\sum a_n$$
 and $\sum b_n$ are convergent series,
then so are the series $\sum ca_n$ (where c is a constant),
 $\sum (a_n + b_n)$, and $\sum (a_n - b_n)$,
i) $\sum ca_n =$
ii) $\sum (a_n + b_n) =$
iii) $\sum (a_n - b_n) =$