4	Three geometric progressions, P , Q and R , are such that their sums to infinity are the first three terms
	respectively of an arithmetic progression.

Progression P is 2, 1, $\frac{1}{2}$, $\frac{1}{4}$, Progression Q is 3, 1, $\frac{1}{3}$, $\frac{1}{9}$,

(i) Find the sum to infinity of progression
$$R$$
.

[3]

[3]

(ii) Given that the first term of R is 4, find the sum of the first three terms of R.