

## Solution for exercise 3.4.12 in Pitman <sup>1</sup>

We will use the formula for the geometric series:

repeatedly in this exercise.

Question a)

Question b)

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<sup>1</sup>Text colored in blue are buttons. In order to enable these, the document must be opened in either [Acrobat Reader](#) or [evince](#) (linux).

Question c)

Question d)

Question e