Term 162

Math 102 (6)

Quiz#5 (11.1, 11.2 & 11.3)

Family Name:

S.r#

()1 Cor	nnlete the	statement	hv a	correct	choice (Ev	plain	vour	choic	·e)
ι,	71. COI	ubiere me	Statement	by a	Correct	choice. ((L'A	piaiii _.	your	CHOIC	\mathbf{e}_{j}

If $\{a_n\}$ converges, then $\sum_{a_n} \frac{1}{a_n}$... (Converges,

Diverges,

Indeterminable)

Q2. Find the sum of $\sum_{n=2}^{\infty} \left(\frac{1}{1-n} + \frac{1}{n} \right)$ if it is convergent or explain if it is not.

Final Ans.

Term 162

Math 102 (8)

Quiz#5 (11.1, 11.2 & 11.3)

Family Name:

S.r#

() 1.	Com	nlete t	he	statement	by a	correct	choice. (Ex	nlain [•]	vour	choice
`			prote	110	Statement	$\boldsymbol{\omega}_{j}$	a correct	choice. (PIGHI	Juan	CHOICE

Suppose $a_n = f(n)$ where f(x) is a positive, continuous, & decreasing function. If $\int_{-1}^{\infty} f(x)dx = 3$,

then $\left\{\frac{1}{a_n}\right\}$... (Converges,

Diverges,

Indeterminable)

Q2. Find the sum of $\sum_{n=0}^{\infty} (-1)^{n+1} 2^n \cdot 3^{1-n}$ if it is convergent or explain if it is not.

Final Ans.