MS-A0111 - Differential and Integral Calculus 1, 07.09.2020-21.10.2020

Started on	Monday, 7 September 2020, 11:32 AM
State	Finished
Completed on	Tuesday, 8 September 2020, 8:40 AM
Time taken	21 hours 8 mins
Grade	**3.00** out of 3.00 (**100**%)

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Question **1**

Flag question Mark 1.00 out of 1.00 Correct

Find the limit of the sequence

$$a_n = \frac{2n^2}{n^2 + n + 1}$$

as $n \to \infty$.

Select one or more:

- a. 0
- b. 2 ✓ Wonderful stuff!
- c. 1

Your answer is correct.

The correct answer is: 2

Question **2**

Flag question Mark 1.00 out of 1.00 Correct

Evaluate the limit $\lim_{x\to 1} \frac{x^4+2x^2-3}{x^2-3x+2}$.

Select one or more:

- a. 8
- b. 0
- c. -8 ✓ Wonderful stuff!

Your answer is correct.

The correct answer is: -8

Question **3**

Flag question Mark 1.00 out of 1.00 Correct

Is the function $f(x) = |x|$ continuous over the interval $x \in [-1, 1]$?

Select one or more:

- a. No
- b. Yes ✓ Wonderful stuff!

Your answer is correct.

The correct answer is: Yes

Finish review

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