CENGAGE | WEBASSIGN

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Communication   **Calendar**
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← **MATH 260, section 01, Spring 2021**

Math 260 - Test 1 (Exam)

🎓 **INSTRUCTOR**

Tariq Qazi
Virginia State University

Current Score	**Due Date**
QUESTION [1] [2] [3] [4] [5] [6] [7] [8]	**SUN, MAR 14, 2021** 8:30 PM GMT+5:30 📅 Request Extension

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ⓘ **Instructions** ⌃

1) Please do the exercises on paper and upload a picture of your work (as a PNG, JPG/JPEG, a PDF of a DOC file) wherever requested. Only two exercises do not require to show the work. 2) You have 90 minutes to submit all your work. No interruptions are allowed.

Assignment Submission & Scoring

Assignment Submission

For this assignment, you submit answers by question parts. The number of submissions remaining for each question part only changes if you submit or change the answer.

1. | DETAILS | **SCALC8 1.6.017.** | MY NOTES

Evaluate the limit, if it exists. (If an answer does not exist, enter DNE.)

$$\lim_{h \to 0} \frac{(-7 + h)^2 - 49}{h}$$

14

Need Help? | Read It | Watch It

Show My Work (Required) ⓘ

What steps or reasoning did you use? Your work counts towards your score.
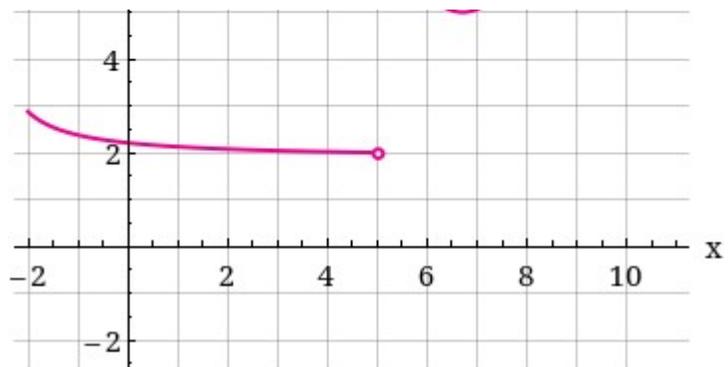
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○ Question1.JPG

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(a) $\displaystyle\lim_{x \to 5^-} f(x)$

2

(b) $\displaystyle\lim_{x \to 5^+} f(x)$

7

(c) $\displaystyle\lim_{x \to 5} f(x)$

DNE

(d) $\displaystyle\lim_{x \to 9} f(x)$

8

Need Help? [Read It]

Show My Work (Required) ⑦

What steps or reasoning did you use? Your work counts towards your score.

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    ○ Question3.JPG

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5. | DETAILS | | MY NOTES |

Calculate the derivative of the following function (you don't need to simplify your answer).

$$f(x) = \sqrt{x}$$

$y = 2x^3 - x^2 + 5$, $(2, 17)$

$y =$

$20x-23$