



Calc I - Math 1151, Spring 2019

Calc I - Math
1151, Spring
2019

Skill Test 1A

Options

Not published Type: **Assessment (multiple)**Due date: **Feb 10, 2019 11:59 PM**

Average score: - Average time spent: -

EXERCISES

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Name

Sections

Average score

Average time spent

Type

Mode



≡ Exercise 1

A

-

-

Single problem Solo



Section 1.3.4, #45

Evaluate the limit $\lim_{x \rightarrow -3} \left(\frac{x^2 - 9}{x + 3} \right)$.

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≡ Exercise 2

A

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Single problem Solo



Section 1.3.4, #46

Evaluate the limit $\lim_{x \rightarrow 1} \left(\frac{\frac{1}{\sqrt{x}} - 1}{x - 1} \right)$.

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≡ Exercise 3

A

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Single problem Solo



Section 1.3.4, #47

Evaluate the limit $\lim_{t \rightarrow 2} \left(\frac{\frac{1}{t} - \frac{1}{2}}{t - 2} \right)$.

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≡ Exercise 4

A

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Single problem Solo



Section 1.3.4, #48

Evaluate the limit $\lim_{h \rightarrow 0} \left(\frac{(5+h)^2 - 25}{h} \right)$.

☰ **Exercise 5** A - - Single problem Solo ...

Limits and Continuity. 7.24

Evaluate $\lim_{x \rightarrow -\infty} \left(\frac{\sqrt{4 \cdot x^4 + 2}}{3 \cdot x^2 + 5} \right).$

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☰ **Exercise 6** A - - Single problem Solo ...

Section 1.3.4, #49

Evaluate the limit $\lim_{h \rightarrow 0} \left(\frac{\frac{1}{(5+h)^2} - \frac{1}{25}}{h} \right).$

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☰ **Exercise 7** A - - Single problem Solo ...

Section 2.7.1, #27 KJedit

Evaluate the limit $\lim_{t \rightarrow 0} \left(\frac{\sin(5 \cdot t)}{\sin(10 \cdot t)} \right).$

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☰ **Exercise 8** A - - Single problem Solo ...

Limits. Problem 50

Evaluate the limit $\lim_{x \rightarrow 2^+} \left(\frac{x^2 \cdot |3 \cdot x - 6|}{x - 2} \right).$

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☰ **Exercise 9** A - - Single problem Solo ...

Limits and Continuity. 7.4-KJedit

Evaluate $\lim_{x \rightarrow \infty} \left(\frac{49 - x^2}{x^2 - 16} \right).$

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☰ **Exercise 10** A - - Single problem Solo ...

Limits and Continuity. 7.6

Evaluate $\lim_{x \rightarrow \infty} \left(\frac{x^3}{(x+100)^2} \right)$.

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Exercise 11

A

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Single problem Solo

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Ximera-ST1a

Evaluate $\lim_{x \rightarrow -\infty} \left(\frac{x^3 - 8}{\sqrt{x^6 + 64}} \right)$.

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Exercise 12

A

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Single problem Solo

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Limits. Problem 2

Find horizontal asymptotes (if any) of the function $f(x) = \frac{x+1}{\sqrt{x^2 - x + 1}}$.

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Exercise 13

A

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Single problem Solo

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Section 2.7.1, #28 KJedit

Evaluate the limit $\lim_{t \rightarrow 0} \left(\frac{\cos(t) \cdot \sin(t)^2}{t} \right)$.

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Exercise 14

A

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Single problem Solo

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Section 1.3.4, #3

Evaluate the limit $\lim_{x \rightarrow -1} \left(\frac{x^2}{\sqrt{x+2}} \right)$.

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Exercise 15

A

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Single problem Solo

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Limits. Problem 21 KJedit

Evaluate the limit $\lim_{x \rightarrow 2} \frac{|x|}{|x-2|+1}$.

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Exercise 16

A

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Single problem Solo



Limits and Continuity. 3.15* -KJedit

Find the limit of the function at the given point: $\lim_{x \rightarrow 0} (\ln(|2 \cdot x|))$

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Exercise 17

A

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Single problem Solo



Ximera ST1b

Given $f(x) = \begin{cases} x^2 - 4, & x \leq 0 \\ 2 \cdot x - 4, & x > 0 \end{cases}$, evaluate $\lim_{x \rightarrow 0} (f(x))$.

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Exercise 18

A

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Single problem Solo



Ximera ST1c

Given $f(x) = \frac{x^2 - 3 \cdot x - 4}{x^2 - 16}$, use calculus techniques to find all vertical asymptotes of $f(x)$.

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