Quiz #2

Due Feb 22 at 9:51am	**Points** 100	**Questions** 4	**Available** Feb 22 at 9:40am - Feb 22 at 9:55am 15 minutes	**Time Limit** 12 Minutes

Instructions

The Quiz contains 4 questions worth 30/20/20/30 points.

This quiz was locked Feb 22 at 9:55am.

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	11 minutes	70 out of 100

Score for this quiz: **70** out of 100
Submitted Feb 22 at 9:50am
This attempt took 11 minutes.

Question 1   **30 / 30 pts**

For the function

$$y\left(t\right) = 2 \cdot e^{-t}$$

what is the value of the function

$$y\left(0.8 - \tau\right)$$

at time 0.2s ?

You Answered

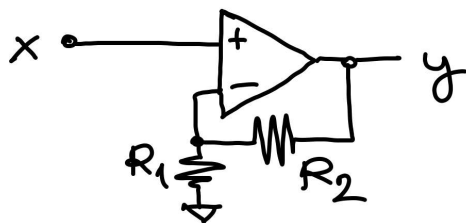| 1.1 |
|---|

Correct Answers   1.0976 (with margin: 0.001)

Question 2   20 / 20 pts

what is the ratio of y/x for the following circuit, assuming R1=30K and R2=6K.

Correct!
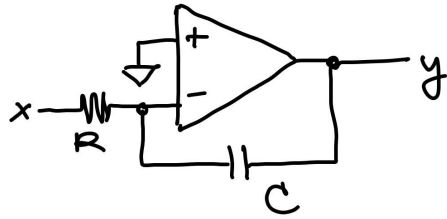
     1.2

Correct Answers   1.2 (with margin: 0)

Question 3   20 / 20 pts

What is the voltage y in Volts at time t=0.5 s if input x is connected to +3V at time t=0?
Assume R=1MΩ and C=1μF

Correct!

-1.5

Correct Answers

1.5 (with margin: 0)

-1.5 (with margin: 0)

Question 4 0 / 30 pts

What is Laplace transform of the function

$$u(t) - u(t-2)$$

enter the formula with no spaces. Please use parentheses as necessary and the following symbols
^ for exponentiation,
* for multiplication

You Answered

2*u

Correct Answers

(1-e^(-2*s))/s

(1/s)*(1-e^(-2*s))

1/s-e^(-2*s)/s

Quiz Score: **70** out of 100