

Forum: [Hack Forums](#)

Thread: [\[LEGENDS\] Education Nation Helpdesk](#)

Rivalry - April 15, 2016, 12:17 pm

[img]http://s9.postimg.org/57pm7cwyr/LEGENDS_2_0_HEADER.png[/img]

"Others toil their entire lives to make a name for themselves, some are just born LEGENDS."

Hey all!

On behalf of Legends, I'd like to present our education helpdesk. We're here to answer any and all of your academic problems, whether you attend high school, college, or university.

Do note that this is NOT a homework completion service. We will NOT be completing assignments or projects for you. Do not contact us if this is what you're looking for. We're here to offer advice on education more generally, and to try and help you out with anything in school you may be struggling with.

[img]http://s9.postimg.org/jzubyp2v3/LEGENDS_2_0_DELIMETER.png[/img]

Members

[Rivalry](#) - UK education system, UK university applications (incl. personal statements, interviews, Oxbridge, and UCAS), EPQ, revision strategies, humanities, English, literature, German, geography, politics, history (esp. 20th century and Renaissance), rhetoric/critical thinking/debating, theology

[The JOker](#) - maths, geometry, algebra, trigonometry etc

[Raymond Reddington](#) - general assistance

[Travis Bickle](#) - English, business studies, economics, drama

[j1nx0](#) - computing, computer engineering, adapting to new school

[Epicur](#) - maths, algebra, probability, estadistics, physics, electronics, coding

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Things we can help you with on this thread:

- Feedback and CnC on work (incl. proof-reading)
- Applying to university/college
- Help with understanding concepts, books, poems, maths problems etc
- Time management
- Revision
- Dealing with stress/mental health issues arising from work
- Extra-curricular activities
- Subject choices
- Coping with terrible teachers
- Referencing and citations (incl. good places to find sources)
- Research

Things we cannot help you with:

- Halp pls some1 do my hwk im lazy lol
- how can i cheat on exam??

- how can i plagiarise and not get caught?
- Hardcore topiary

Got a question? We're here to help! Drop it below or PM one of us. Things PM'd to us will be automatically classed as confidential and will not be shared :)

Travis Bickle - April 15, 2016, 12:20 pm

If anyone has any questions on English, Business Studies, Economics or Drama; please feel free to PM me :)

Ooze - April 15, 2016, 2:28 pm

I know finals are coming up boys, shoot me a PM or reply here if you have any questions, Ill try to help if its Math Related.

Subscribing to the thread now

Rivalry - April 17, 2016, 2:00 am

Added j1nx0 to the helpdesk! He can help with any computing queries you may have. Exam season is fast approaching...

Epicur - April 18, 2016, 10:43 pm

I'm glad to be able to help you out guys! Have been studying my degree for 3 years and almost have my degree now.

Don't hesitate to ask, I'll be happy to answer.

Ooze - May 4, 2016, 11:07 am

Don't worry guys this is still available,
I already helped some people with math.

The GRim - May 8, 2016, 7:03 am

Anyone good with engineering graphics by any chance?

Travis Bickle - May 8, 2016, 7:07 am

(May 8, 2016 07:03 AM)The GRim Wrote: [\[CITE\]](#) Anyone good with engineering graphics by any chance?

Not at that I know of, I'll ask in the sf.

webdev77 - May 8, 2016, 12:18 pm

Any chance someone can let me know where I went wrong on this Laplace IVP? I have looked at it a few dozen times and there has got to be a sign error or some other small error somewhere in there.

the problem and work [\(Click to View\)](#)

$$y'' + 4y' + 6y = 1 + e^{-t}$$

Initial conditions:

$$y(0) = 0$$

$$y'(0) = 0$$

Work

$$L\{y''\} + 4L\{y'\} + 6L\{y\} = L\{1\} + L\{e^{-t}\}$$

$$s^2Y(s) - sy(0) - y'(0) + 4[sY(s) - y(0)] + 6Y(s) = (1/s) + [1/(s+1)]$$

$$(s^2 + 4s + 6)Y(s) = (2s + 1) / [s(s+1)]$$

$$Y(s) = (2s+1) / [s(s+1)(s^2 + 4s + 6)]$$

$$Y(s) = (1/6)/s + (1/3)/(s+1) - [(s/2) + (5/3)]/s^2 + 4s + 6$$

$$y(t) = (1/6)L^{-1}\{1/s\} + (1/3)L^{-1}\{1/(s+1)\} - 1/2L^{-1}\{(s+2)/[(s+2)^2+2]\} + 2/[3(\sqrt{2})]L^{-1}\{\sqrt{2}/(s+2)^2+2\}$$

$$y(t) = 1/6 + 1/3e^{-t} - 1/2e^{(-2t)} \cos(\sqrt{2}t) + \sqrt{2}/3e^{-2t} \sin(\sqrt{2}t)$$

Gen0gar - May 9, 2016, 5:22 am

(May 8, 2016 12:18 PM)webdev77 Wrote: [\[CITE\]](#) Any chance someone can let me know where I went wrong on this Laplace IVP? I have looked at it a few dozen times and there has got to be a sign error or some other small error somewhere in there.

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you only forgot a - sign on the last term.

$$\text{it's: } y(t) = 1/6 + 1/3e^{-t} - 1/2e^{(-2t)} \cos(\sqrt{2}t) - \sqrt{2}/3e^{-2t} \sin(\sqrt{2}t)$$

(May 8, 2016 07:03 AM)The GRim Wrote: [\[CITE\]](#) Anyone good with engineering graphics by any chance?

What type of engineering graphics ?

Mechanical, electrical, civil

Louis C.K. - May 9, 2016, 11:26 am

<https://hackforums.net/showthread.php?tid=5264185>

in need of an essay revision. I am running out of time, any help would be great

webdev77 - May 10, 2016, 9:52 am

(May 9, 2016 05:22 AM)Gen0gar Wrote: [\[CITE\]](#) you only forgot a - sign on the last term.

$$\text{it's: } y(t) = 1/6 + 1/3e^{-t} - 1/2e^{(-2t)} \cos(\sqrt{2}t) - \sqrt{2}/3e^{-2t} \sin(\sqrt{2}t)$$

Thank you, I greatly appreciate that.