group task in calculus 15.10.2018.

Edited at 10am 15.10.2018.

1. What is differential?

2. Explain vector.

3. What is vector calculus?

https://en.wikipedia.org/wiki/Vector\_calculus

Define dot-product and cross-product of vectors.

4. Explain directional derivative.

5. What are div, curl, grad?

6. Explain differential equation.

Define integral.

7. Explain antiderivative?

https://en.wikipedia.org/wiki/Antiderivative

8. What is Riemann sum?

https://en.wikipedia.org/wiki/Riemann\_sum

9. Define functional series.

10. What are the main differences between differential and integral?

11. How can Indonesia avoid violence?

https://www.scmp.com/news/asia/southeast-asia/article/2162097/indonesian-family-seeks-justice-after-death-asian-games

https://en.wikipedia.org/wiki/Concerns\_and\_controversies\_at\_the\_2018\_Asian\_Games

12. Solve number puzzle for 10 digits.

13. Hack password.

https://calculus1only.weebly.com/

https://calculus1only.weebly.com/uploads/5/9/8/5/59854633/password-hacking-game-rules.docx

https://calculus1only.weebly.com/uploads/5/9/8/5/59854633/guessinput.txt

https://calculus1only.weebly.com/uploads/5/9/8/5/59854633/passwordguessfromfile.exe

14. Find the discriminant of the elliptic curve y2 = x3 + 3x + 2.

https://en.wikipedia.org/wiki/Elliptic\_curve

White board pictures from 17 September to 11 October:

https://calculus1only.weebly.com/uploads/5/9/8/5/59854633/whiteboard\_pictures\_in\_calculus\_from\_17\_september\_to\_11\_october\_2018.docx

Notes in October:

https://calculus17.weebly.com/uploads/7/7/9/0/77906190/notes\_in\_calculus\_11oct2018.docx

Previous October 2018 tasks in calculus:

https://calculus12s.weebly.com/uploads/2/5/3/9/25393482/ind\_task\_calculus\_1oct2018.doc

https://calculus12s.weebly.com/uploads/2/5/3/9/25393482/group\_task\_calculus\_1oct2018.docx

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