individual task in calculus of mid-September 2019.

Edited at 5am 21.9.2019.

s is your student number.

k = s mod 10000. T = s mod 100.

m35 = s mod 35. m25 = s mod 25. m20 = s mod 20.

m10 = s mod 10. m9 = s mod 9. m8 = s mod 8. m7 = s mod 7. m6 = s mod 6.

m5 = s mod 5. m4 = s mod 4. m3 = s mod 3. m2 = s mod 2.

1. Why do you need calculus?

2. Find average of m2, m3, m4, and m5.

3. Which English letter is the thickest?

4. Find maximum area rectangle for the same perimeter.

5. What plane shape has maximum area for same perimeter?

6. What is function?

7. Do your project.

8. What is calculus of social media?

9. Study calculus of songs.

10. Solve Zimmermann problem:

http://74.72.151.186/Contest/Nearness

http://azspcs.com/Contest/Nearness

Solve for m20 + 6.

Improve these solutions:

https://physics16.weebly.com/uploads/5/9/8/5/59854633/4students\_reversing\_nearness\_sep2019.docx

If you cannot register here then submit your solutions to me.

11. What is fractal?

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

12. Explain least-squares fit.

https://en.wikipedia.org/wiki/Least\_squares

13. Apply for American citizenship:

https://www.dvlottery.state.gov/

14. Apply for scholarships, grants, fellowships of USA, Europe, Canada, Australia, Japan, etc.

15. Study

https://calculus12s.weebly.com/

https://calculus1only.weebly.com/

https://calculus17.weebly.com

16. What is infinitely small value?

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

17. Explain continuity.

https://en.wikipedia.org/wiki/Continuous\_function

18. Discuss calculus news.

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

https://en.wikipedia.org/wiki/Capital\_of\_Indonesia

https://en.wikipedia.org/wiki/UEFA\_Euro\_2020\_qualifying

https://en.wikipedia.org/wiki/Yemeni\_Civil\_War\_(2015%E2%80%93present)

https://en.wikipedia.org/wiki/Kashmir\_conflict

https://en.wikipedia.org/wiki/2019\_Abqaiq%E2%80%93Khurais\_attack

https://en.wikipedia.org/wiki/Islamic\_State\_of\_Iraq\_and\_the\_Levant

https://en.wikipedia.org/wiki/Al-Qaeda

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

https://en.wikipedia.org/wiki/Rohingya\_people

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

https://en.wikipedia.org/wiki/Kosovo\_War

https://en.wikipedia.org/wiki/Jamal\_Khashoggi

https://en.wikipedia.org/wiki/Basuki\_Tjahaja\_Purnama

https://en.wikipedia.org/wiki/May\_1998\_riots\_of\_Indonesia

https://en.wikipedia.org/wiki/Indonesian\_mass\_killings\_of\_1965%E2%80%9366

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

https://en.wikipedia.org/wiki/Julian\_Assange

https://en.wikipedia.org/wiki/Chelsea\_Manning

https://en.wikipedia.org/wiki/Edward\_Snowden

https://en.wikipedia.org/wiki/Noam\_Chomsky

https://en.wikipedia.org/wiki/Annexation\_of\_Crimea\_by\_the\_Russian\_Federation

https://en.wikipedia.org/wiki/War\_in\_Donbass

https://en.wikipedia.org/wiki/Ukrainian\_crisis

19. Study general concepts of limit, continuity, derivative, integral, differential equation, partial derivative, and optimization.

https://en.wikipedia.org/wiki/Limit\_(mathematics)

https://en.wikipedia.org/wiki/Continuous\_function

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

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

https://en.wikipedia.org/wiki/Differential\_equation

https://en.wikipedia.org/wiki/Partial\_derivative

https://en.wikipedia.org/wiki/Mathematical\_optimization

20. How is calculus used in computer science?

Deadline is 25.9.2019.