1 group task in calculus

September task

Edited at 10am 24.9.2017.

Numbers:

1. What is a recurring decimal?

2. Write 0.(742) as ratio.

3. Write 2/7 as decimal.

4. Write e as decimal

5. Are there more or less irrational numbers than rational + integers + natural numbers? Why?

6. Give examples of natural, integer, rational, irrational, real, and complex numbers.

Functions:

7. What is a function?

8. Give examples of algebraic functions.

9. Give examples of transcendental functions.

10. Find f(f-1(x)).

11. Find f-1(f (x)).

Limit:

12. Find the limits of the functions.

Continuity:

13. Show example of continuity.

Fractal:

14. What is fractal?

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

Dota2

15. Try to prepare to Dota2 gaming competition:

http://www.dota2.com/international/overview/

2019 Asia Soccer Cup:

16. Predict 2019 Asia Soccer Cup results.

https://en.wikipedia.org/wiki/2019\_AFC\_Asian\_Cup

Elections:

17. Predict results of Indonesian elections.

18. Calculate ratings of Jokowi and Prabowo 100 days after 24.9.2018.

https://en.wikipedia.org/wiki/Indonesian\_general\_election,\_2019

Grants:

19. Try to apply for American citizenship, all scholarships, fellowships, grants, etc. in North America, European Union, Japan, Australia, etc.

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

Deadline is 30.9.2018.