Group task in calculus 10 September 2018

Edited at 4am 10 September 2017.

Numbers:

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

2. What is a recurring decimal?

3. Write 0.(742) as ratio.

4. Write 2/7 as decimal.

5. Write e as decimal

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

Functions:

7. Give examples of algebraic and transcendental functions.

Fractal:

8. What is fractal?

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

Limit:

9. Find the limits of the functions.

Continuity:

10. Show example of continuity.

Dota2

11. Try to prepare to Dota2 gaming competition:

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

Grants:

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

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