MATH 444: MATHEMATICAL RESEARCH AND WRITING

Assignment 3 Due Thursday Jan 27, 2022 pdf file uploaded to Canvas.   Richard Anstee

This assignment asks you to visit various journals and write up some brief synopses of articles you choose (in your words). But I expect a little more. A suggestion, beyond simply writing up the result, would be to consider the difficulty/type of the mathematics used and whether you would like to investigate further. I am asking you to think critically about what results are being presented.

I'd like 3 synopses from the College Mathematics Journal and 3 synopses from the American Mathematics Monthly and 3 synopses from the Mathematics Magazine. Please choose articles from the years 2011, 2012, 2021. I'm looking for a description of the problem considered in the paper and the nature of the Mathematics employed (e.g. induction, careful algebraic manipulations, geometry etc.) to obtain the results. Your thoughts on whether this would make a topic for a presentation would be welcome. I imagine 1/2 page or so for each article. While you certainly may make your initial write up in point form for your purposes, I will want complete sentences in what you hand in for this assignment. This a writing course!

You can access the journals through the UBC Library. Find the journal using the journal tab, the journal articles are free for you when you online access through Taylor and Francis. You can use MathSci net to search one of the three journals for articles on a particular topic. To access MathSci net, search the indices tab. But for this assignment it is quite reasonable to just browse for interesting articles.

The point of this assignment is to have you browse the literature and be able to identify interesting articles. You have to do this all the time online!