

MTH13 Entrance Questionnaire

31 January 2017

Instructions: Please answer the following and be sure to show your work or support your answer and please write in complete, punctuated, sentences. You are not allowed to use any type of calculator or assistant.

1. Name:

2. Major:

3. Why did you decide to go to college? What do you think is the purpose of an academic programme at the college level?

4. What do you expect to learn in this course and what do you think you will get out of it?

5. What do you think your final grade in this course will be?

6. By this point in your life you have spent at least 10 academic school years taking mathematics courses. So, what is mathematics?

7. Fill in the blanks with the appropriate numbers:

$$8 + 7 = \underline{\quad} - 4 = \underline{\quad}$$

8. What is greater 13% of 169 or 169% of 13?

9.

$$\frac{4}{7} + \frac{1}{3} =$$

10. What is $\frac{1}{3}$ divided by $\frac{4}{7}$?

11. Write $\frac{1}{5}$ as a decimal number.

12. If $x < \sqrt{a}$, then how does $\frac{a}{x}$ compare to \sqrt{a} ?

13. Solve $x^2 - x - 2 = 0$.