

# Math 131 - Autumn 2025 - Midterm Reflections\*

This worksheet is prepared for you to reflect on your recent midterm experience so that you can get a better understanding of your performance and make necessary changes if needed. It will not be collected or graded. If you prefer, you can discard it after completing it. Feel free to respond using bullet points if you prefer that.

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1. Are you satisfied with your midterm performance and result? Explain why or why not.
  
  
  
  
  
  
  
  
  
  
2. Circle the statement that best describes how aligned your feelings about the midterm are with your result.
  - a. I did worse than I expected.
  - b. I received the result I expected.
  - c. I did better than I expected.

Please explain your answer (ex: if you circled option 'a', consider elaborating on why you felt that your test went better than it did or why it went worse if you know where you made mistakes).

3. List three things that you think you did well while preparing for the midterm. Write them in the order of most to least helpful.
  - i. \_\_\_\_\_
  - ii. \_\_\_\_\_
  - iii. \_\_\_\_\_

Explain your ranking- why did one strategy work better for you than another?

4. List three things that you think you could do better while preparing for the midterm.

i. \_\_\_\_\_

ii. \_\_\_\_\_

iii. \_\_\_\_\_

How would you successfully implement these changes for future exams in this course?

5. Complete the following SWOT Analysis <sup>[1]</sup> to determine how you can be successful in this course.

- My **STRENGTHS** are: \_\_\_\_\_
- My **WEAKNESSES** are: \_\_\_\_\_
- some **OPPORTUNITIES** for my learning are: \_\_\_\_\_
- some **THREATS** to my learning are: \_\_\_\_\_

Refer to the strategies you listed in Question 3. Do you think you can adjust these to better accommodate the aspects of your learning listed in the SWOT Analysis, and if so, how?

6. On a scale of 1-5, circle how comfortable you feel making mistakes.

Not comfortable at all      1      2      3      4      5      Extremely comfortable

According to researchers <sup>[2]</sup>, deliberately making and correcting errors lead to better problem solving and improving transfer of Mathematical knowledge. List one thing that you can do to increase your comfort with making mistakes. How would you implement this?

1. SWOT Analysis is inspired by the course "Build personal learning plan and stick with it" by Shanita Williams in LinkedIn Learning.  
2. J. B. K. Yap and S. S. H. Wong, "Deliberately making and correcting errors in Mathematical problem-solving practice improves procedural transfer to more complex problems", Journal of Educational Psychology, (116)7 (2024) 1112-1128  
3. <https://www.simplypsychology.org/zone-of-proximal-development.html>

7. Vygotsky's Zone of Proximal Development (ZPD) can be defined as "the sweet spot between what a learner can do alone and what they can achieve with help from someone more skilled".<sup>[3]</sup>

Do you feel that our class material is in your ZPD?

If not, how would you describe it (too hard/too easy)?

What could be done to better support your learning going forward? Please contact the coordinator or your instructor to talk more about it.

*Ex: provide more visual guides, give you more opportunities to collaborate with your peers, give you more challenging problems, etc.*

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