

**Reflection Form for Precalculus after Chapter 1 Test**

Name: Student 1 Date: September 22, 2018

Please complete the table - this will not be shared with other students. Consider an answer correct only if you received **more than** half of the points possible.

Question	Perceived Difficulty (Easy/Hard)	Correct (Y/N)
1	Easy	Yes
2a	Easy	Yes
2b	Easy	Yes
3a	Easy	Yes
3b	Easy	Yes
4	Easy	Yes
5	Easy	Yes
6	Easy	No
7	Easy	Yes
8	Easy	Yes
9	Easy	Yes
10a (center)	Easy	Yes
10b (radius)	Easy	Yes
11a (x-int)	Easy	No (copying + multiplicity mistake)
11b (y-int)	Easy	Yes
11c (symmetry)	Easy	No (labels in notes wrong)
12	Easy	Yes
13	Easy	Yes
14	Easy	Yes
15	Easy	Yes
16	Easy	Yes
17	Easy	Yes
18	Easy	Yes
19b (equation)	Easy	Yes
19c (slope interpretation)	Easy	Yes
19d (projected sales)	Easy	Yes

Please answer the following questions as completely as possible regarding the test, and remember, there are no correct or incorrect answers.

**1. What was your approach when taking the test. Did you do it in order? Did you scan for questions that were easy or hard? Did you see any pattern on the test?**

I started from the beginning and worked through the end, so yes I did it in order. Except, for one problem that I got halfway through and got lost in my work and went back and did it over at the end, and it seemed much easier than my first approach. I noticed that the test seemed to go almost in order that we learned the material which was nice because each question somewhat built on each other.

**2. Look for a pattern in your perception of difficulty on the test with the correctness of your answers.**

**a. What, if anything, do you notice about your perception compared to your performance?**

Overall, it seemed a very easy test and the problems I got wrong were due to "dumb" errors (a.k.a errors due to human mistake and not checking work not conceptual errors) including copying a  $\frac{3}{2}$  to a  $\frac{2}{3}$  or not understanding notes to myself.

**b. How did your concern about remaining time factor in your perception of difficulty?**

No, time did not factor into my perception of difficulty.

**c. How did your concern about remaining time factor in your performance?**

I think I rushed towards the end and did not thoroughly check through my work. On the pre-course skills test I definitely went back and went over almost every answer and I did much better. This test I felt as I didn't have the time to check over it and that would've caught some of the small errors. However, after handing in the test I realized I had plenty of time and I really should have checked my answers.

**Comment [1]:** I try not to make time a factor, though sometimes it still is. If you find you need more time than you have to thoroughly check your work, please talk to me after the test and I'll typically let you continue to work on it (or come back later to finish).

**3. Now, go searching for similar patterns in your homework.**

**a. Were the patterns on the test consistent with your performance in the homework?**

Yes, the patterns were pretty consistent. Like the test, I thought most of the homework problems were easy and got them correct however made errors for not checking my work.

**b. What do you notice about how you are approaching problems?**

I noticed that I did best on problems that I labelled "easy" or "hard" after I finished the problem, so that I did not start a problem thinking it was too difficult to even try.

**c. What behaviors do you use when things seem difficult?**

I skip the problem and then go back to it later.

**d. What behaviors do you ease up on when things seem easy?**

I stop checking my work which is really bad.

Comment [2]: ...but how cool that you discovered this!

**4. Reflect overall on where you are right now as a mathematician, and see if you can uncover how you work right now based on the first unit.**

**a. What behaviors/strategies did you uncover that are working for you?**

The strategies that are working for me are going back to problems later instead of staying stuck on it and labelling hard or easy after the problem

**b. What behaviors/strategies did you uncover that are areas of concern?**

I am concerned for my lack of checking work, especially because I know how beneficial it can just looking at the pre-course quiz or from computer science that it is so easy to forget one little thing which makes the solution not work.

**c. What content do you feel that you mastered?**

I feel like I understand most of the first chapter, the content I feel the best with is equation of circles and the quadratic/discriminant problems. I definitely could work on my inequalities and equations (working with transformations) because I feel like I understand the basics but once it gets harder I feel like I could easily get lost, especially with inequalities because I use to solve 2 different inequalities way instead of solve 1 and then check points.

**d. What content do you feel that you need more growth in?**

I need to keep practice on testing for symmetry because the I did not really understand it until the night before the test and at that point it was more of a memorization than a conceptual learning point. Also, it was one of the things I had gotten wrong, and the reason I got it wrong was because on my "notes" on the top of the test and in my mind I had rushed and thought oh  $(x,y) \rightarrow (-x,y)$  was x-axis symmetry because it involves a change in x. However, if I really understood it I would've realized that x and -x are opposite sides of y axis therefore a reflection over y deeming it to have symmetry with respect to the y-axis symmetry. I also need to continue to practice safe transformations because although it worked on this test it will not work on most problems.

Comment [3]: That's a great conceptual learning! Sorry you didn't have it for the test, but thrilled you have it now!

**5. What is the one single thing you can do next to improve your performance in Unit 2. Be specific (NOT... I should study more...)?**

I need to check my work and not rush to go do the next thing whether it's the next problem or start a different subjects homework because most of my errors are due to not checking my work and rushing.