

FOUNDATIONS AND PRE-CALCULUS MATHEMATICS 10 COURSE OUTLINE

Teacher: Ms. Heggie

Room: 14

email: sheggie@sd61.bc.ca

Workbook: Theory and Problems for Foundations of Mathematics and Pre-Calculus 10 - Mickelson (3rd ed.)

Daily Materials: workbook, binder, chapter notes, pencil, pen, scientific calculator, eraser.

Calculators: Scientific calculators must have the following functions: sin, cos, tan, fraction button, exponents. The Texas Instruments TI-30Xa calculator is a very good option.

*Please note that if your calculator has **graphing functions**, you will **not be permitted** to use these functions during graphing portions of the course.

Marks Distribution:

Course % Breakdown

Tests	60%
Quizzes	20%
Final Exam	20%

Viewing Progress (Marks):

Student marks will be tracked using MyEducationBC, which has a Student Portal to view updated marks at any time during the semester. The website is:

<https://www.myeducation.gov.bc.ca/aspen/logon.do>

Students (and Parents) can login using their student number and the student's selected password. If a student has never accessed the portal and needs help with this, I'm glad to help.

Also, if a parent (or student) wants to know their updated mark and can't access the portal, they can send me an email and I can send back a PDF of their updated progress report.

Webpage:

To access the course webpage, go to lambrickpark.sd61.bc.ca, then click on *Staff Info / Staff Directory*, then scroll down and click on *Ms. Heggie's website* and then the *FOM 10* course.

Tests:

Tests will be written at the conclusion of each chapter. If you have an unexcused absence (no note and not on school's excused absence list) on test day, you will receive a zero for the test. If you have an excused absence, I will need confirmation from a parent, and you will write the test as soon as possible upon your return.

Test Rewrites:

If you would like to rewrite a unit test, you must:

- correct your original unit test and show the teacher
- complete the rewrite assignment and show it to the teacher*
- set up a time outside of regular class time to do your test rewrite

You can rewrite any unit at any time of your choosing, but you can only rewrite a particular unit test once.

Quizzes:

Quizzes will usually be given regularly (every day or two). Quizzes will be at the start of class, right after a question period about last day's assignment. If you miss a quiz, you will not write it at a later date. If you bring a valid reason for your absence, it will be omitted.

Workbook:

The FOM 10 Workbook must be purchased for \$25 from the school, and payment for this can be made through the Lambrick Park Website, or in person in the main office with cash or a cheque, made payable to **Lambrick Park School**. See the Workbook info sheet for more info. ** You will only receive your workbook once your payment has been confirmed.

Assignments:

Daily assignments will be given and you are encouraged to complete them to the best of your ability before the next class. Assignments will be listed on the "Assignment List" page of my FOM 10 website. Make good use of the class time given for assignment completion. The daily assignments are *suggested* practice questions, and it is up to each student to determine how many of these questions to do to fully grasp the concepts. The quizzes and unit tests will be based on the *suggested* practice questions.

Attendance & Absences:

If you miss a class, you can still stay caught up by checking what section you're missing on the **assignment list**, using the workbook section and/or the website to teach yourself the information to the best of your ability, and trying to complete the assignment. You should try to be caught up so that you're as ready as can be by the start of the next class, just in case there is a quiz. A few other important points:

- If you know you will miss an upcoming class, bring a note and talk to me about what you will miss beforehand so that you can work on it early.
- If you are late, please enter the class quietly without disrupting others.

Extra Handouts:

Extra handouts will be available in the classroom. However, they will also be on the website. If you are absent, you can print off the handouts from the website.

Answer Keys:

A few copies of answer keys (for handouts) may be available in the classroom so that you can "self-mark" during class. However, most assignments come from the workbook (which has answers in the back). Answer keys for handouts and notes keys will be also be posted on my website.

Classroom Environment:

1. Attend class regularly on time and get involved in your learning by **doing** rather than watching during discussions, notes and examples.
2. When entering the class, have books open to the proper page **before** the second bell rings, so we can get started smoothly.
3. Show respect for your classroom, classmates, and teacher, and you will receive the same treatment in return.
4. If you have a problem with the course, see me for a mature discussion on the matter, rather than complaining in class.
5. Bring all necessary materials **everyday**.
6. Please don't use foul language in the classroom.
7. Food and drink is NOT permitted. You can bring in water only.
8. Music players are permitted only when doing assignments. During teaching or class discussions, please have music players off and out of sight. If this becomes a problem, music players may be banned from the classroom.
9. Bathroom breaks will not be a problem if they are not abused.
10. Please stay in your desks and keep your books open until just before the bell rings. You should be working on your assignment until class ends. "I'll do it later" is not an acceptable excuse for wasting time at the end of class.
11. Try to be friendly and helpful to one another so that we build a positive learning environment where **everybody** feels comfortable.

It is up to you to seek help before it becomes a problem. I strongly encourage you to ask me for help when necessary!

Peer Tutors are available at lunch and/or after school most days. Please see the posters in the classroom or ask your teacher for specific dates and times.

A Note to FOM 10 Parents – Please take the time to read this entire page☺

Below are some excellent suggestions to be involved in and informed about your child's math education:

- Please read over the attached Course Outline in detail with your son/daughter.
- email me if you'd like an update on your son/daughter's progress in this course, or login to the student portal on the MyEd website (Web address and info on the front of this outline).
- frequently ask your son or daughter if the daily math assignment has been completed (have they done enough of the suggested problems to truly understand the concepts?)
- help ensure that your son or daughter is keeping a neat, organized workbook and binder so it is easy to find everything
- have your son or daughter try to explain the math they are learning to you, whether you remember it or not...having your son or daughter teach/re-teach it to you can be a very valuable learning exercise for them
- please email or call in any excused absences to the school office
- if your son or daughter is absent, you can see what was done that day in class by looking at the assignment list.
- encourage your child to seek extra help when they need it. I will let the students know my availability to give extra help throughout the semester.

Please complete the attached email information form, detach it from this page (keep this page for future reference), and have your son/daughter return it as soon as possible. Thanks!

Ms. Heggie

Ms. Heggie, FOM 10 Email Form – *please print clearly*

Student Name: _____

Student email address: _____

Parent Name(s): _____

Parent email address(es): _____

Parent Phone Number: _____

Parent Signature: _____

Pre-Calculus and Foundations Mathematics 10: Assignment List

Chapter Assignment

- 1.1 Page 6, # 1 a-l, 2, 3, 4, 5, 6
- 1.2 Page 19 # 8 a-h, 9 a-g, 10 a-h, 12, 13
- 1.3 Page 26 # 1 a-e, 2 a-e, 5, 8
- 1.4 Page 32 # 3, 6, 7
- 1.5 A Page 42 # 1 – 5
- 1.5 B Page 45 # 6 - 7
- 1.5 C Page 46 # 8 – 9
- 1.6 Page 52 # 1 odds, 3 odds, 4 a – f, 5 a – g, 6 a – f, 7 a – d, 9 odds, 10 odds, 11, 12, 13
- 1.7 Chapter Review: Page 58 # 1, 2, 3, 4, 5, 8, 9, 10, 11.

Chapter 1 TEST

- 2.1 Page 66 # 1, (2, 3, 4)odds, 5 a – f, 7 odds, 8 odds, 9 ab
- 2.2 Page 76 # (1, 2, 3) odds, 4 a – d, 5, 6 a
- 2.3 Page 82 # (1, 2, 3) odds, 4 a – d, 5 a – f, 6 ace
- 2.4 Page 90 # 6 odds, 7, 8 odds, 9 a-d, 11 ab
- 2.5 Page 98 # 2, 3 a-d, 4 a-d, 7
- 2.6 Page 103 # 5 a-l, 7 a-g, 8ab
- 2.7 Chapter Review: Page 107 # 2 a-e, 3 a-f, 4abc, 5 a-k, 6 a-d, 7 a-f, 8 a-f

Chapter 2 TEST

- 3.1 Page 116 # 2 – 6, 7ab, 8ab, 9ab, 10
- 3.2 Page 123 # 1 – 10, 12 – 14
- 3.3 Page 133 # 3 odds, 4 a, b, d, f, g, h, k, l, 5
- 3.4 Page 141 # 1 a, b, d, e, g, i, k, l
- 3.5 Chapter Review: Page 148 # 1 -8, 10 ab

Chapter 3 TEST

Chapter	Assignment
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|-------|---|
| 4.1 | Page 156 # 1 – 4, 5 a-j, 7 |
| 4.2 | Page 163 # 2 odds, 3 -5, 7, 8, 10 |
| 4.3 | Page 171 # 1, 2, (4 – 6) odds, 10, 11 |
| 4.4 A | Page 181 # 1 a -k , 2, 3 a-f, 4 |
| 4.4 B | Page 183 # 6 – 8, 10 – 13 |
| 4.5 A | Page 185 # 1, 2, 4, 5 |
| 4.5 B | Page 186 # 8, 9, 11, 12 |
| 4.6 | Chapter Review: Page 188 # 1 – 10, 13, 14 |

Chapter 4 TEST

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|-------|---|
| 5.1 A | Page 194 # 1, 2, 3 odds, 4 odds, 8, 10 abdf |
| 5.1 B | Page 194 #5 odds, 6 odds, 9 10 ace, 11 |
| 5.2 A | Page 202 # 1, 2, 3, 4 a-d, 5, 7 odds |
| 5.2 B | Page 203 # 6, 8 a, c, d, e, f, g |
| 5.3 | Page 208 # 1 odds, 2 odds, 3 odds, 4ab, 5ab, 6, 8, 10 |
| 5.4 | Page 215 # 1 – 4, 7, 8, 14, 16 |
| 5.5 | Page 218 # 2 a-d, 3 a-d, 4 a-d, 5 odds, 7, 9, 11 abc, 13 c-e, 15, 16 |
| 5.6 | Chapter Review: Page 228 # 1 – 8, 9 ab, 10 ab, 11 – 17, 18 a-d, 19 ab |

Chapter 5 TEST

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|-------|---|
| 6.1 | Page 235 # 2, 4 abce, 5, 6 adegkl |
| 6.2 | Page 243 # 2 a-j, n s |
| 6.3 | Page 248 # 1 a – d, g-j, o, p |
| 6.4 A | Page 254 # 2 – 6, 9 |
| 6.4 B | Page 255 # 10, 14, 15, 16, 18, 19 |
| 6.7 | Chapter Review: Page 272 # 2 abc, 4 abceg, 5 abcdf, 6, 7, 8, 10, 11 |

Chapter 6 TEST

Chapter	Assignment
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|-------|---|
| 8.1 A | Page 306 # 1 all, 2 all AND 8.1 Worksheet |
| 8.1 B | Page 307 # 3 all |
| 8.4 | Page 325 # 1 – 5, 9, 10, 12 – 14, Worksheet |
| 8.5 | Page 330 # 1- 7 |
| 8.6 | Chapter 8 Review: Page 332 # 1, 2, 4, 8, 9 |

Chapter 8 TEST

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|-----|-----------------------------------|
| 7.1 | Page 281 # 1 – 10 |
| 7.2 | Page 286 # 1 – 8 |
| 7.3 | Page 291 # 1, 3 |
| 7.4 | Page 296 # 2 abc, 3 – 12 |
| 7.5 | Chapter Review: Page 299 # 1 – 14 |

Chapter 7 TEST

Final Exam Review

Final Exam

Prepare for Numeracy Assessment: this is a graduation requirement and will be written at the end of the semester.

