Instructor: Ms. Kathleen Rush  
Email: krush@bakersfieldcollege.edu 
Office: LA 112  
Phone: 395-4244 
Office Hours: M-R 2:10 – 2:35pm (MS 109) or by apt.

Prerequisites:  
MATHB60 or equivalent elementary-algebra course with a grade of C or qualifying score on placement assessment. Recommended: Reading Level 5 or 6.


Materials:  
1. Notebook exclusively used for mathematics notes.  
3. A folder which will contain your math exam and handouts.  
4. A calculator (non-graphing) is permissible but not required. No cell phones.  
5. Access to the internet for MyMathLab through www.pearsonmylab.com

Alert!  
There are many students on the waitlist for this class. For this reason, any student currently enrolled who is absent from class anytime during the first two weeks and does not contact the instructor will be dropped to make room for the students wanting to add from the waitlist.

Alert!  
The date for dropping without a W is on September 6th. For this reason, any student not showing progress in this course by completing homework assignments will be dropped from this course. Pay attention to DUE DATES as they appear on MyMathLab website.

Accommodations: Students with disabilities who believe they may need accommodations in this class are encouraged to contact Supportive Services in FACE-16, 395-4334 as soon possible to better ensure such accommodations are implemented in a timely manner.

Tutoring: Math Learning Center, Student Services Building, second floor. Computer lab with staff ready to assist you with your math difficulties. Make it a HABIT to spend time there. You absolutely won’t regret it. Visit the website: https://www.bakersfieldcollege.edu/mlc
Student Learning Outcomes:
Math B70 Student Learning Outcomes: Upon completion of this course, the student will be able to:

1. Find the domain and range of a function. Graph a linear, simple quadratic, and an absolute value function. Find the sum, difference, product, and quotient of two functions. Solve word problems (these problems will involve formulas and variation) by defining a variable, setting up and solving an equation and interpreting the result.

2. Solve a system of linear equations (a 2x2 and 3x3). Solve word problems involving 2 and 3 variables by defining variables, setting up and solving equations and interpreting the result.

3. Solve a linear and an absolute value inequality and identify the solution in set and interval notation, and graph the solution. Graph inequalities in two variables and identify the solutions region.

4. Simplify radical expressions and functions. Find the sum, difference, product, and quotient of two terms involving radicals and complex numbers. Solve radical equations. Solve word problems (these problems will involve the distance and midpoint formulas) by defining a variable, setting up and solving an equation and interpreting the result.

5. Solve quadratic equations and equations that are reducible to quadratic, by the square root principal, factoring, and the quadratic formula. Solve word problems by defining a variable, setting up and solving an equation and interpreting the result. Graph quadratic functions. Solve polynomial and rational inequalities.

6. Find the composition of two functions. Find the inverse of a function. Solve exponential and logarithmic equation. Graph exponential and logarithmic functions.

7. Graph parabolas, circles, ellipses, and hyperbolas. Solve nonlinear systems of equations.
Grading Scheme:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Grade Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>15%</td>
<td>A: 100-90%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>15%</td>
<td>B: 89-80%</td>
</tr>
<tr>
<td>Exams (6)</td>
<td>60%</td>
<td>C: 79-70%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>10%</td>
<td>D: 69-60%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>F: Below 60%</td>
</tr>
</tbody>
</table>

How to be successful in this math class

1. **Be present.** Come to class and participate. Absences negatively affect your understanding of the course material and it’s hard to catch up. BC policy allows an instructor to drop a student if you have more than 8 unexcused absences. Excused absences are primarily for documented medical reasons.

2. **Cultivating positive habits.**

   **Habits of Mind, It’s POSSIBLE at BC** has many free tools intended to help you accomplish your goals in school. Only you can overcome the challenges you face this semester and in life. Start out successfully with these steps.

   - Visit the Habits of Mind website: [https://www.bakersfieldcollege.edu/habits-of-mind](https://www.bakersfieldcollege.edu/habits-of-mind).
   - Download the app for Habits of Mind at Bakersfield College for power in your palm.
   - Ask for help, do the work, and refuse to quit.

   Success takes energy, planning, and strategies for both the expected challenges in school as well as the unexpected twists life can take.

3. **Homework:** Doing homework on a daily basis is the most important HABIT to cultivate. Your homework will be assigned and entered on the MyLab website. You also must copy the problems and complete solutions in your homework notebook. Your grade will consist of a ‘notebook’ grade worth 5% and your graded MyLab work worth 5% of your total homework grade. I will collect homework notebooks on exam day. No late notebooks will be accepted.

4. **Study and prepare for quizzes and exams:** You will have weekly quizzes and six chapter exams this semester. Your final exam will be cumulative. Exams can be made up only in extreme circumstances and with prior notice. If you are granted a makeup exam, a maximum of one makeup is allowed for the semester. No cell phones allowed during the exam and you may not leave the classroom in the middle of an exam.
Academic Dishonesty: Any form of academic dishonesty will not be tolerated and will result in a failing grade on the assignment as a first offense and a failing grade for the course on a subsequent offense.

Classroom Etiquette: Students must arrive to class on time and leave when class is dismissed. If you know that you have overlapping commitments then it is best for you to drop the course. Please have consideration for the learning atmosphere of your fellow students and cultivate an attitude that promotes success in this class for yourself and others. Turn off all cell phones during class. No listening to music in class.

Important Dates:

08/24/15   Fall Semester Begins
09/04/15   Last day for a Refund
09/06/15   Last day to drop classes without receiving a “W"
09/07/15   Labor Day Holiday - Campus Closed
09/08/15   Census Date
10/30/15   Last day to withdraw with a "W" grade
           Last day to file for Fall Graduation
11/01/15   Check the graduation requirements, and visit the graduation page for more information.
11/11/15   Veteran's Day Holiday - Campus Closed
11/25/15   Classes starting at 5:30 pm and after will not be held
11/26/15 to 11/27/15   Thanksgiving Holidays - Campus Closed
12/07/15 to 12/11/15   Final Exams
12/11/15   Check the finals schedule!
12/11/15   Fall session ends