

Thank you for your interest in the Winter online MTH 95 class.

We have set this class to require instructor permission to ensure that if you do register for this class, you will have the best chance as possible to successfully complete the course.

We know that there are several factors that will contribute to your success in this class, including:

- Having strong pre-requisite skills (strong fraction computation skills, and basic algebra skills, including linear equations and graphing)
- Recent prior success in previous math courses (A or B in MTH 65 taken within the past year)
- Prior success in previous college course work (Strong prior quarter and cumulative GPA)
- Having a plan for being able to dedicate 12 – 15 hours a week towards completing this course
- Having continual access to a computer, internet, printer, and a way to scan and upload .pdf files into Blackboard. There are free smartphone apps (Genius Scan is one you might check out) that work well to scan.

To request instructor permission, **print, complete, scan,** and **submit** the Instructor Approval Request form and Pre-registration Assessment below.

This assessment will serve several purposes:

- Making certain you are able to print and scan multiple page documents into a single .pdf document.
- Letting you see the types of problems you should be able to do before starting this course.
- Letting me see that you have basic fluency with MTH 65 pre-requisite skills.
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In addition to the documents you complete and return, we will be considering your prior math preparation and prior success in previous course work. Requests will be processed in the order received and all correspondence will take place through your COCC email. Check your email often for information concerning this course and other COCC business.

The **DEADLINE** for submitting your Request for Instructor Approval for developmental Math classes is **Wednesday, December 19**. This course will be cancelled if it does not have sufficient enrollment by December 20, 2018.

Jacque Coe

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jcoe@cocc.edu

PS – Reading carefully and following instructions are important skills for this course, so please check over your forms carefully before submitting them.

ONLINE MTH 95 – Winter 2019 Instructor Approval Request Form
 (Scan all three pages into one .pdf file and submit via email to jcoe@cocc.edu.)

Name _____ COCC email address _____

Student ID _____ Do you have convenient access to a printer? _____

What city will you be living in while taking this course? _____

Previous and current math courses – include all math courses that appear on your COCC transcript. If you do not have a COCC math course on your transcript, list your last two math classes taken anywhere.

Course	Term/Year	Grade	Taken where?	Online (Yes or No)

If you are currently in MTH 65, what was your percentage grade on your first MTH 65 test? _____

What is your overall grade to date? _____ Who is your current instructor? _____

How many hours a week are you budgeting to work on the requirements for this course? _____

Taking an online course can be more challenging, usually requires more time, and is more expensive than taking a face-to-face class, so why are you taking this course as an online course instead of as a face-to-face course?

	I have strong prerequisite skills in this area.	I have weak or no prerequisite skills in this area. (This might be the case if you are currently in MTH 65.)
Strong fraction computation skills		
Solving linear equations fluency		
Solving quadratic equations proficiency		
Factoring proficiency		
Use of the rules of exponents to simplify expressions		
Adding, subtracting and multiplying polynomials		
Coordinate graphing of linear and quadratic equations fluency		
Fluency in moving between graphs, equations, data sets, and verbal/written descriptions		
Ability to interpret applied linear problems, graphically, numerically, verbally/written and symbolically		
Excellent note taking skills		
Strong reading comprehension skills		

Math 95 Pre-Registration Assessment

1) Solve the following equations, **showing your work** for all steps.

a) $2x = 5(2x + 9) - (x + 3)$

c) $\frac{5x}{6} = \frac{3x}{4} + \frac{1}{2}$

b) $x^2 - 2x - 8 = 0$

d) $x^2 = 18$
(give solution in simplified radical form)

2) Factor the following expressions.

a) $x^2 + x - 12$

b) $x^2 - 25$

3) Simplify the expressions.

a) $\frac{(x^5)^2}{x^3}$

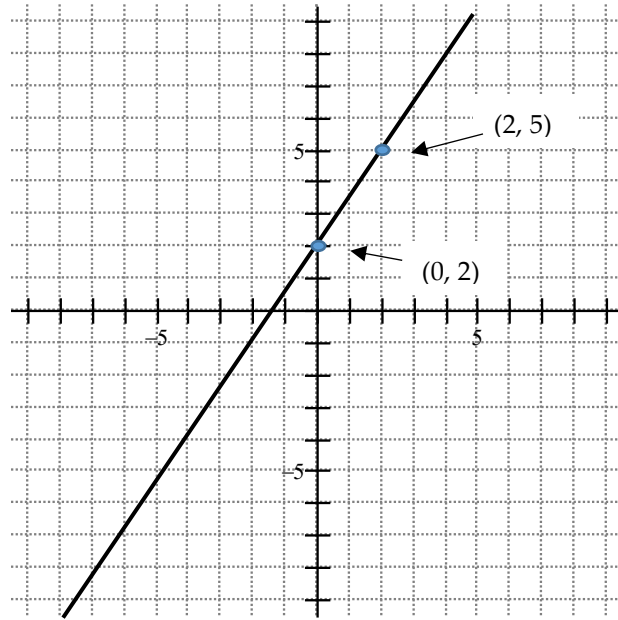
b) $3b^4 \cdot 2b^2$

4) Let $g(x) = x + x^2$

a) Find $g(-1)$. Show how you use the equation to find this.

b) Find $g(a + 1)$ and simplify the resulting expression.

5) Find the equation of the line shown.



6) Find the equation of a line which passes through the points $(3, -3)$ and $(-6, 3)$. Show your work.

7) Graph the function, drawing the axes and labeling your numeric scale.

$$f(x) = 2(x + 1)^2 - 10$$

