August 17 Math 1190 sec. 52 Fall 2016

Second Day of Class

August 16, 2016

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Today's Agenda

- Questions?
- Any announcements from our SI leader Lauren
- Clicker activities
- Quiz and up coming Exam 1 (part 1) information
- More in class work on prerequisite skills.

Registering a Clicker

At the beginning of class, I will use the "Roll Call" feature. You will see your name and student ID with a three letter code.

- Grab a clicker from my stash at the beginning of class.
- Look for your name with three letter code on the roll call display. (All names won't fit on one screen, so it will alternate between groups.)
- ► Turn the clicker on, and methodically enter your three letter code.
- When your clicker is registered, your name box will turn gray with an ID code in the bottom right corner.
- If you press the wrong code, no worries, just press "DD" (or "DDD").

Clicker Questions Sample Question 1

The line $y = \frac{1}{2}x - 7$ is perpendicular to which of the following lines. (a) $y = -\frac{1}{2}x + 7$ (b) y = -2x - 34(c) y = 2x + 7Parameter of the following lines. Parameter of

(d) $y = \frac{1}{2}x + 7$

(e) None of the above

Sample Question 2

Recall that for True/False questions, we'll always use "A" for true and "B" for false.

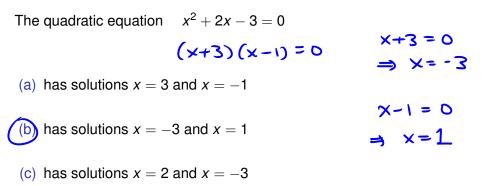
True/**False** If *f* is a one-to-one function satisfying f(2) = -3, then

$$f^{-1}(-3) = 2$$

True
$$f(z) = -3$$
 means $f'(-3) = 2$

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Sample Question 3



(d) has no real solutions.

Sample Question 4

Suppose θ is an angle in standard position, and that

 $\sin \theta < 0$ and $\tan \theta > 0$.

The terminal side of θ must be in quadrant

(a) I (one) (b) II (two) (c) III (three) (d) IV (four) Sin O < 0 in guads 3, 4 for 0 > 0 in guads 1, 3 for both to hold<math>0 must be in guad 3

(e) can't be determined without more information

First In Class Quiz: Friday 8/19

We'll have our first in class quiz this Friday at the beginning of class. It should begin within the first 5 minutes or so of class and will last for 10 minutes.

The quiz question(s) will come **directly** from the Algebra and Trig Review Math 1190 Worksheet 1.

> Algebra and Trig Review Math 1190 Worksheet 1

NO CALCULATORS on these, unless you want to use them to CHECK your work.

Question 1. First some algebra...

(a) Simplify:

$$\left(\frac{3x^{3/2}y^3}{x^2y^{-1/2}}\right)^{-2}$$

(b) Simplify:

 $x^2 = x + 1$, $\frac{y}{x} - \frac{x}{y}$

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Exam 1 part 1

9:35 - 10:00

When: Wednesday August 24 from 8:05am -8:30am (25 minutes)

What: This exam will make up 35% of Exam 1 for the semester. It will cover prerequisite topics: Algebra, trigonometry, and function basics. Worksheets 1 and 2 on D2L (and in class) cover this material.

Why: The two main causes of poor performance in Calculus are (1) prerequisite weakness, and (2) insufficient effort. Week 1 is the time to hone those prereq skills and position yourself for success in this class.

Questions?

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