This list is not in final form. Like, stuff may yet be added to it.

Test #1 is

Friday
2/9/07.

The test will cover the material of Assignments #1 – #10, and #11, roughly, that is, sections 1.2- 1.7.

On page 135 is a purple-page “test” which has a full answer key in the back of the book. The currently fair-game types of problems:

1, 2, 4, 5, 6, 7, 8, 10, 11

Be sure to look into the “when-bar” problems in Assignment #11.

Make sure you bring along your calculator with batteries that won’t quit on you.

The calculator part of the test will be a brief (10 minutes, I hope) computational problem (or two). This time, the problem will not involve the graphing capabilities of your calculator.

The calculator part of the test will be handed out first (on colored paper). When you are finished with it, put your calculator away and raise your hand. I will rush over to you and swap for the main, non-calculator, portion of the test.

Here are some problems such as you might encounter on the calculator portion of the test. On such problems, you must show enough steps that I can replicate your solution. This also increases the likelihood of partial credit in the event of errors.

(a) A nice, straight, 94-foot tree casts a 217-foot shadow. What is the straight-line distance from the top of the tree to the tip of its shadow. Round your answer to two decimal places.

(b) Near the part-(a) tree stands a 78-foot tree. How long is its shadow?

(c) A rectangle of area $5280 \text{ ft}^2$ is 3.7 times as long as it is wide. Find its length and width.

(d) A rectangle of area $5280 \text{ ft}^2$ is 90 feet longer than it is wide. Find its length and width.

Click here for a review-problem set for a MATH-143 Test #1 from last February. Ignore problems 4 and 8 on this review problem set. Note that it has an answer key.
Comments on problems in the MATH-143 Test #1 for 9/21/05.

(a) Calculator problem 1 concerns triangle computations.
(b) Problem 3 - laws of exponents, our corporate Achilles heel.
(c) Problem 4 - check answers back in the original equation.
(d) Problem 5 - parentheses and least common denominators.
(e) Problem 6 - complex fractions, common denominators, and laws of exponents.
(f) Problem 7 - calculus-style factoring and coldest power.
(g) Problem 8 - Pythagoras and similar triangles. Here you need to make it very clear which similar-triangle pair you're using.
(h) Problem 9 - check answers back in the original equation.
(i) Problem 10 - sign-change-chart gig. Section 1.7, like. Your instructor is just fascinated with problems like this.
(j) Ignore problem 11.

The MATH-143 Test #1 for 9/27/02 has just problem 2 relevant to us at our current state of progress.