

Math 50 - Test #1 Study Guide

Section 18, Fall 2012, Prof. Beydler

Test #1

- Date: Wednesday, September 26, 2012
- Will cover sections 1.1-1.6, 2.1-2.6, and 3.1-3.2.
- You'll have the entire class time to take the test. When you're finished, you can hand it in and leave.
- No calculator, notes, or books during the test.
- The tests are harder than the quizzes, so study hard!
- Please visit my office hours if you need help. If you don't understand something, don't be embarrassed to stop by—I'm very patient. If you can't make it to my office hours, then feel free to e-mail me with any questions: dbeydler@mtsac.edu Also, don't forget to visit the MARC and get extra credit for doing so! (see syllabus for details)

A few problems on the test will be about vocabulary words you have learned. They'll be in the "fill-in-the-blank" style just like the notes. Here are the words you'll want to know for that part of the test:

undefined (1.4, ex: $\frac{3}{0}$ and $\sqrt{-4}$)

indeterminate (1.4, ex: $\frac{0}{0}$ and 0^0)

perfect square (1.4)

arithmetic mean (1.5)

median (1.5)

parallelogram (1.6)

integer (2.1)

absolute value (2.1)

additive inverse (2.2)

revenue (2.3)

cost (2.3)

net (2.3)

profit (2.3)

loss (2.3)

principal square root (2.4)

equation (3.1)

expression (3.1)

monomial (3.2)

coefficient (3.2)

degree of monomial (3.2)

like terms (3.2)

polynomial (3.2)

term (3.2)

binomial (3.2)

trinomial (3.2)

degree of polynomial (3.2)

Here are some of the formulas you'll want to know:

- Perimeter of a rectangle: $P = 2l + 2w$
- Area of a parallelogram: $A = bh$
- Volume of a box: $V = lwh$
- Net: $N = R - C$
- Distance: $d = rt$

I'll give you the following formula:

- Voltage: $V = ir$

(See extra credit opportunity on back of page!)

Extra Credit!

- If you write up the answers to all of the review exercises listed below, and hand them in at the test, you can earn up to 2% extra credit towards the test (depending on neatness and completeness)!
- Review exercises:
 - Chapter 1 (p.76) #11, 27, 28, 33-48 all, 49 (no mode), 50, 51
 - Chapter 2 (p.136) #3-43 all, 47, 49-52 all
 - Chapter 3 (p.211) #1-20 all