1580.005 - Test 1 Review

September 20, 2013

Test 1 will be on Thursday, September 26, 2013. Expect 25-30 problems on the test. The following homework problems are offered as a study guide.

Homework Assignment	Problem Numbers
15.1	$3, 4, 5, 11, 13, 14$
$15.2 - 15.3$	$1 - 4, 13 - 19$
15.4	$1 - 5$
$6.1 - 6.3$	$4, 6, 16, 17, 22, 28$
$6.4 - 6.5$	$5, 6, 8, 10, 11, 14, 17$
$6.6 - 6.8$	$3, 11, 24, 30$
$6.9 - 6.10$	$4, 9, 17, 20, 21$
$11.1 - 11.3$	$8 - 10, 12, 17, 19, 27, 32$

Students will need to bring their own pencil, eraser, and calculator. The instructor will **not** provide any of the three items.

A *minimal* formula sheet will be provided by the instructor. It is the duty of the student to understand how to interpret a given formula. For example, the axis of symmetry $x = -\dfrac{b}{2a}$ is easily seen when expanding the quadratic formula, i.e.,

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} = -\frac{b}{2a} \pm \frac{\sqrt{b^2 - 4ac}}{2a}. \tag{1}$$

Hence the quadratic formula is given while a formula for the axis of symmetry is not.