Algebra 2 Homework - Ch. 1-1 and 1-2

This page is the cover page, it comes first. All that should be writen on it is your name, class period and date. Show all work on attached looseleaf that is also properly labeled in the upper right-hand corner with name, period, and date. Showing work means: circle the problem number, write the original problem, neatly show all the key steps of your solution, box the answer.

No calculators.

The Glencoe web site for your book has a lot of good things to know about. Explore it. Some of the things may help you study these two sections of Chapter 1. Jot down anything you want to share with the class you thought was useful. Is there anything online that might reduce the number of notes you have to take and keep?

Bulldogmath.com has links to the Glencoe web site for your book, find them. Explore Bulldogmath.com.

Finish any forms you have not yet brought in. If you lost them or forgot them at school and don't know what to do, hint...do a better job of exploring Bulldogmath.com.

Find the value of the given expression.

1. $\dfrac{1}{2}[32 + (40(-42))]$

2. $14 - 180 \div 5$

3. Evaluate the given expression if $w = 17$, $x = 29$, $y = 48$, and $z = 8$.
   $$w + \frac{1}{x} + \frac{1}{y} + \frac{1}{z}$$

4. Evaluate the given expression if $x = 25$, $y = 10$, $w = 11$, and $z = 18$.
   $$(x - y)^2 + 10wz$$

5. Name the sets of numbers to which the given number belongs.
   $$\sqrt{4}$$

6. Name the sets of numbers to which the given number belongs.
   $$\frac{28}{83}$$

Simplify the given expression.

7. $10x + 41y - 142x + 2y$

8. $3(0.5x + 0.4y) + 15(0.3x - 0.8y)$