CS 234 8/25/2016 Binary Assignment: Due Thursday 9/1/2016

1. Convert the following binary numbers to decimal equivalents. Show your work and check them. Show your check.
2. 101010101
3. 0011110100
4. 110011001
5. 001111100
6. 1111111110
7. Convert the following decimal numbers to their binary equivalents. (make up 5 two to three digit numbers) Use the method shown in class, Show your work and check them. Show your check.
8. Using 2’s compliment, and A is -62 and B is 49.

Calculate: A + B

A - B

-A + B

-A – B

Show all of your work and show your check for your work.

All of your work should be on separate sheets of paper.

1. From the text pages 52 and 53 do exercises 1.2, 1.3, 1.4, 1.7, 1.12, 1.17. For these exercises, do NOT write out the question from the book, but DO show or explain how you got your answer.