

## Section 3.5 – Problems with Integers

### Problem Set 3

**Solve the following questions and check your answers.**

1. Find two consecutive integers whose sum is 781.
2. Find two consecutive odd integers whose sum is 418.
3. Find three consecutive integers whose sum is -317.
4. Find two consecutive even integers where twice the first minus the second is 398.
5. Find three consecutive odd integers where the sum of twice the third and the second is one less than four times the first.
6. Find four consecutive integers such that the two more than the sum of the first and the third is the second.
7. If one number is four more than another and their sum is 80 then what are the numbers?
8. If one number is twice another and four times the first number is 12 more than the second, what are the numbers?
9. John is 12 years older than Andrew. When Andrew is twice his current age he will be twelve years younger than John. What are their ages?
10. The sum of the numbers of two consecutive pages in a book is 218. What are the page numbers?