

Section 3.5 – Problems with Integers

Problem Set 2

Solve the following questions and check your answers.

1. Find two consecutive integers whose sum is 101.
2. Find two consecutive even integers whose sum is -312.
3. Find three consecutive integers whose sum is 0.
4. Find two consecutive even integers where twice the first is three times the second.
5. Find three consecutive integers where twice the sum of the first and the third, minus half the second is 308.
6. Find four consecutive even integers such that the sum of twice the second and the fourth is 104 more than twice the third.
7. If one number is twice another and the first is seven times the second plus 10, what are the numbers?
8. If one number is three more than another and three times the first is twice the second, what are the numbers?
9. Joan is twenty-six years older than her daughter, Laura. Joan is also twice Laura's age. What are their ages?
10. The sum of the numbers of two consecutive pages in a book is 112. What are the page numbers?