

Section 3.5 – Problems with Integers

Problem Set 1

Solve the following questions and check your answers.

1. Find two consecutive integers whose sum is 411.
2. Find two consecutive even integers whose sum is 510.
3. Find three consecutive integers whose sum is -303.
4. Find two consecutive even integers where twice the first is three times the second.
5. Find four consecutive integers such that the difference of twice the first and twice the second is twice the difference of the third and the fourth.
6. Find four consecutive odd integers such that their sum is zero.
7. If one number is three times another number and the first number minus the second is -18, what are the numbers?
8. One number is three less than another. If the sum of the numbers is 23, what are they?
9. One number is half of another. If their sum is 69 that what are the numbers.
10. One number is seven more than a number. Three times the first number plus twice the second is 54. What are the two numbers?