**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_**

**ANSWER KEY**

**BOX QUIZ 10**

**Answer the following questions and show all work.**

|  |  |
| --- | --- |
| **There are 34 students in Dr. Smith’s College Algebra class. There are 20 students in the Math Club, 15 students in Phi Theta Kappa, and 7 that are in both the Math Club and Phi Theta Kappa. How many students are not in either of these clubs? *\_\_\_\_\_\_\_\_\_\_***    Math Club  PTK  6  8  13  7 | **The sum of a number and its additive inverse is always equal to \_\_\_\_\_.**  0 |
| 6  **What are the five Subtraction Algorithms of Integers discussed in Lesson 16?**  Chip Model  Charged Field Model  Number Line Model  Pattern Model  Missing Addend Model | **Identify the set(s) of numbers to which each given number belongs. Use the letters NWZQIR**   1. 1.4125489645… I R 2. 3 N W Z Q R 3. -2 Z Q R 4. 0 W Z Q R |