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

**ANSWER KEY**

**BOX QUIZ 12**

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

|  |  |
| --- | --- |
| **Solve using Order of Operations.**  **(3 · 32 + 8) − (12)2 ÷ 3**  (3 **·** 9 + 8) – (12)2 ÷ 3  (27 + 8) – (12)2 ÷ 2  35 – 24÷ 3  *35 – 8*  27 | **Convert the following mixed number to an improper fraction*.***  6 · 14 + 1= |
| **Add . Reduce to an improper fraction or mixed number if necessary.** | **Write the converse, inverse, and the contrapositive for the following statement:**  **If it is raining, then I wear my raincoat.**  **Converse:** *If I wear my raincoat, then it is raining.*  **Inverse:** *If it is not raining, then I don’t wear my raincoat.*  **Contrapositive:** *If I don’t wear my raincoat, then it is not raining.* |